

<110> INCYTE GENOMICS, INC; TRAN, Uyen K.;
 KABLE, Amy E.; RAMKUMAR, Jayalaxmi;
 ISON, Craig H.; RICHARDSON, Thomas W.;
 LEE, Soo Y.; KHARE, Reena;
 MARQUIS, Joseph P.; SWARNAKAR, Anita;
 CHAWLA, Narinder K.; ELLIOTT, Vicki S.;
 EMERLING, Brooke M.; BECHA, Shanya D.;
 HAFALIA, April J.A.; LI, Joana X.;
 GRIFFIN, Jennifer A.; HAWKINS, Phillip R.;
 JIN, Pei; CHIEN, David; JIANG, Xin;
 JACKSON, Alan A.; Mason, Patricia M.;
 BHATIA, Umesh G.; BURRILL, John D.;
 LEE, Sally; BLAKE, Julie Blake J.;
 HO, Anne; ZHENG, Wenjin; GAO, Jing

<120> ENZYMES

<130> PF-1387 PCT

<140> To Be Assigned

<141> Herewith

<150> US 60/368,799

<151> 2002-03-29

<150> US 60/368,721

<151> 2002-03-29

<160> 110

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<212> PRT

<213> Homo sapiens

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Val	His	Pro	Arg	Thr	Leu	Leu	Leu	Gly	Thr	Val	Ala	Phe	Leu	Leu
				20					25					30
Ala	Ala	Asp	Phe	Leu	Lys	Arg	Arg	Arg	Pro	Lys	Asn	Tyr	Pro	Pro
				35					40					45
Gly	Pro	Trp	Arg	Leu	Pro	Phe	Leu	Gly	Asn	Phe	Phe	Leu	Val	Asp
				50					55					60
Phe	Glu	Gln	Ser	His	Leu	Glu	Val	Gln	Leu	Phe	Val	Lys	Lys	Tyr
				65					70					75
Gly	Asn	Leu	Phe	Ser	Leu	Glu	Leu	Gly	Asp	Ile	Ser	Ala	Val	Leu
				80					85					90
Ile	Thr	Gly	Leu	Pro	Leu	Ile	Lys	Glu	Ala	Leu	Ile	His	Met	Asp
				95					100					105
Gln	Asn	Phe	Gly	Asn	Arg	Pro	Val	Thr	Pro	Met	Arg	Glu	His	Ile
				110					115					120
Phe	Lys	Lys	Asn	Gly	Leu	Ile	Met	Ser	Ser	Gly	Gln	Ala	Trp	Lys
				125					130					135
Glu	Gln	Arg	Arg	Phe	Thr	Leu	Thr	Ala	Leu	Arg	Asn	Phe	Gly	Leu
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Gly	Lys	Lys	Ser	Leu	Glu	Glu	Arg	Ile	Gln	Glu	Glu	Ala	Gln	His
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 Val Glu Gly Thr Leu Leu Gln Pro Ala Thr Val Asp Asn Trp Ser
 20 25 30
 Gln Ile Gln Ser Phe Glu Ala Lys Pro Asp Asp Leu Leu Ile Cys
 35 40 45
 Thr Tyr Pro Lys Ala Gly Thr Thr Trp Ile Gln Glu Ile Val Asp
 50 55 60
 Met Ile Glu Gln Asn Gly Asp Val Glu Lys Cys Gln Arg Ala Ile
 65 70 75
 Ile Gln His Arg His Pro Phe Ile Glu Trp Ala Arg Pro Pro Gln
 80 85 90
 Pro Ser Ala Arg Asn Ala Lys Asp Cys Met Val Ser Tyr Tyr His
 95 100 105
 Phe Gln Arg Met Asn His Met Leu Pro Asp Pro Gly Thr Trp Glu
 110 115 120
 Glu Tyr Phe Glu Thr Phe Ile Asn Gly Lys Val Val Trp Gly Ser
 125 130 135
 Trp Phe Asp His Val Lys Gly Trp Trp Glu Met Lys Asp Arg His
 140 145 150
 Gln Ile Leu Phe Leu Phe Tyr Glu Asp Ile Lys Arg Asp Pro Lys
 155 160 165
 His Glu Ile Arg Lys Val Met Gln Phe Met Gly Lys Lys Val Asp
 170 175 180
 Glu Thr Val Leu Asp Lys Ile Val Gln Glu Thr Ser Phe Glu Lys
 185 190 195
 Met Lys Glu Asn Pro Met Thr Asn Arg Ser Thr Val Ser Lys Ser
 200 205 210
 Ile Leu Asp Gln Ser Ile Ser Ser Phe Met Arg Lys Gly Thr Val
 215 220 225
 Gly Asp Trp Lys Asn His Phe Thr Val Ala Gln Asn Glu Arg Phe
 230 235 240
 Asp Glu Ile Tyr Arg Arg Lys Met Glu Gly Thr Ser Ile Asn Phe
 245 250 255
 Cys Met Glu Leu

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 <213> Homo sapiens

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 <223> Incyte ID No: 7509353CD1

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 1 5 10 15
 Leu His Pro Leu Leu Trp Arg Gly Ser Val Ala Arg Leu Ala Ser
 20 25 30
 Ser Met Ala Leu Ala Glu Gln Ala Arg Gln Leu Phe Glu Ser Ala
 35 40 45
 Val Gly Ala Val Leu Pro Gly Pro Met Leu His Arg Ala Leu Ser
 50 55 60
 Leu Asp Pro Gly Gly Arg Gln Leu Lys Val Arg Asp Arg Asn Phe
 65 70 75
 Gln Leu Arg Gln Asn Leu Tyr Leu Val Gly Phe Gly Lys Ala Val

80	85	90
Leu Gly Met Ala Ala Ala Glu Glu	Leu Leu Gly Gln His Leu	
95	100	105
Val Gln Gly Val Ile Ser Val Pro Lys	Gly Ile Arg Ala Ala Met	
110	115	120
Glu Arg Ala Gly Lys Gln Glu Met Leu	Leu Lys Pro His Ser Arg	
125	130	135
Val Gln Glu Leu Asn Thr Ile Arg Lys	Ala Leu Ser Gln Leu Lys	
140	145	150
Gly Gly Gly Leu Ala Gln Ala Ala Tyr	Pro Ala Gln Val Val Ser	
155	160	165
Leu Ile Leu Ser Asp Val Val Gly Asp	Pro Val Glu Val Ile Ala	
170	175	180
Ser Gly Pro Thr Val Ala Ser Ser His	Asn Val Gln Asp Cys Leu	
185	190	195
His Ile Leu Asn Arg Tyr Gly Leu Arg	Ala Ala Leu Pro Arg Ser	
200	205	210
Val Lys Thr Val Leu Ser Arg Ala Asp	Ser Asp Pro His Gly Pro	
215	220	225
His Thr Cys Gly His Val Leu Asn Val	Ile Ile Gly Ser Asn Val	
230	235	240
Leu Ala Leu Ala Glu Ala Gln Arg Gln	Ala Glu Ala Leu Gly Tyr	
245	250	255
Gln Ala Val Val Leu Ser Ala Ala Met	Gln Gly Asp Val Lys Ser	
260	265	270
Met Ala Gln Phe Tyr Gly Leu Leu Ala	His Val Ala Arg Thr Arg	
275	280	285
Leu Thr Pro Ser Met Ala Gly Ala Ser	Val Glu Glu Asp Ala Gln	
290	295	300
Leu His Glu Leu Ala Ala Glu Leu Gln	Ile Pro Asp Leu Gln Leu	
305	310	315
Glu Glu Ala Leu Glu Thr Met Ala Trp	Gly Arg Gly Pro Val Cys	
320	325	330
Leu Leu Ala Gly Gly Glu Pro Thr Val	Gln Leu Gln Gly Ser Gly	
335	340	345
Arg Gly Gly Arg Asn Gln Glu Leu Ala	Leu Arg Val Gly Ala Glu	
350	355	360
Leu Arg Arg Trp Pro Leu Gly Pro Ile	Asp Val Leu Phe Leu Ser	
365	370	375
Gly Gly Thr Asp Gly Gln Asp Gly Pro	Thr Glu Ala Ala Gly Ala	
380	385	390
Trp Val Thr Pro Glu Leu Ala Ser Gln	Ala Ala Ala Glu Gly Leu	
395	400	405
Asp Ile Ala Thr Phe Leu Ala His Asn	Asp Ser His Thr Phe Phe	
410	415	420
Cys Cys Leu Gln Gly Gly Ala His Leu	Leu His Thr Gly Met Thr	
425	430	435
Gly Thr Asn Val Met Asp Thr His Leu	Leu Phe Leu Arg Pro Arg	
440	445	450

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<213> Homo sapiens

<220>

<221> misc_feature

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Tyr	Val	Ala	Asn	Tyr	Met	Glu	Gly	Ile	Glu	Gly	Arg	Gln	Val	Tyr	
				20					25					30	
Pro	Asp	Val	Glu	Pro	Gly	Tyr	Leu	Arg	Pro	Leu	Ile	Pro	Ala	Ala	
				35					40					45	
Ala	Pro	Gln	Glu	Pro	Asp	Thr	Phe	Glu	Asp	Ile	Ile	Asn	Asp	Val	
				50					55					60	
Glu	Lys	Ile	Ile	Met	Pro	Gly	Val	Thr	His	Trp	His	Ser	Pro	Tyr	
				65					70					75	
Phe	Phe	Ala	Tyr	Phe	Pro	Thr	Ala	Ser	Ser	Tyr	Pro	Ala	Met	Leu	
				80					85					90	
Ala	Asp	Met	Leu	Cys	Gly	Ala	Ile	Gly	Cys	Ile	Gly	Phe	Ser	Trp	
				95					100					105	
Ala	Ala	Ser	Pro	Ala	Cys	Thr	Glu	Leu	Glu	Thr	Val	Met	Met	Asp	
				110					115					120	
Trp	Leu	Gly	Lys	Met	Leu	Glu	Leu	Pro	Lys	Ala	Phe	Leu	Asn	Glu	
				125					130					135	
Lys	Ala	Gly	Glu	Gly	Gly	Gly	Val	Ile	Gln	Met	Val	Ala	Thr	Leu	
				140					145					150	
Gly	Thr	Thr	Thr	Cys	Cys	Ser	Phe	Asp	Asn	Leu	Leu	Glu	Val	Gly	
				155					160					165	
Pro	Ile	Cys	Asn	Lys	Glu	Asp	Ile	Trp	Leu	His	Val	Asp	Ala	Ala	
				170					175					180	
Tyr	Ala	Gly	Ser	Ala	Phe	Ile	Cys	Pro	Glu	Phe	Arg	His	Leu	Leu	
				185					190					195	
Asn	Gly	Val	Glu	Phe	Ala	Asp	Ser	Phe	Asn	Phe	Asn	Pro	His	Lys	
				200					205					210	
Trp	Leu	Leu	Val	Asn	Phe	Asp	Cys	Ser	Ala	Met	Trp	Val	Lys	Lys	
				215					220					225	
Arg	Thr	Asp	Leu	Thr	Gly	Ala	Phe	Arg	Leu	Asp	Pro	Thr	Tyr	Leu	
				230					235					240	
Lys	His	Ser	His	Gln	Asp	Ser	Gly	Leu	Ile	Thr	Asp	Tyr	Arg	His	
				245					250					255	
Trp	Gln	Ile	Pro	Leu	Gly	Arg	Arg	Phe	Arg	Ser	Leu	Lys	Met	Trp	
				260					265					270	
Phe	Val	Phe	Arg	Met	Tyr	Gly	Val	Lys	Gly	Leu	Gln	Ala	Tyr	Ile	
				275					280					285	
Arg	Lys	His	Val	Gln	Leu	Ser	His	Glu	Phe	Glu	Ser	Leu	Val	Arg	
				290					295					300	
Gln	Asp	Pro	Arg	Phe	Glu	Ile	Cys	Val	Glu	Val	Ile	Leu	Gly	Leu	
				305					310					315	
Val	Cys	Phe	Arg	Leu	Lys	Gly	Ser	Asn	Lys	Val	Asn	Glu	Ala	Leu	
				320					325					330	
Leu	Gln	Arg	Ile	Asn	Ser	Ala	Lys	Lys	Ile	His	Leu	Val	Pro	Cys	
				335					340					345	
His	Leu	Arg	Asp	Lys	Phe	Val	Leu	Arg	Phe	Ala	Ile	Cys	Ser	Arg	
				350					355					360	
Thr	Val	Glu	Ser	Ala	His	Val	Gln	Arg	Ala	Trp	Glu	His	Ile	Lys	
				365					370					375	
Glu	Leu	Ala	Ala	Asp	Val	Leu	Arg	Ala	Glu	Arg	Glu				
				380					385						

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<211> 442

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 7509385CD1

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1				5					10					15	

Tyr	Val	Ala	Asn	Tyr	Met	Glu	Gly	Ile	Glu	Gly	Arg	Gln	Val	Tyr
				20					25					30
Pro	Asp	Val	Glu	Pro	Gly	Tyr	Leu	Arg	Pro	Leu	Ile	Pro	Ala	Ala
				35					40					45
Ala	Pro	Gln	Glu	Pro	Asp	Thr	Phe	Glu	Asp	Ile	Ile	Asn	Asp	Val
				50					55					60
Glu	Lys	Ile	Ile	Met	Pro	Gly	Ala	Ala	Ser	Pro	Ala	Cys	Thr	Glu
				65					70					75
Leu	Glu	Thr	Val	Met	Met	Asp	Trp	Leu	Gly	Lys	Met	Leu	Glu	Leu
				80					85					90
Pro	Lys	Ala	Phe	Leu	Asn	Glu	Lys	Ala	Gly	Glu	Gly	Gly	Gly	Val
				95					100					105
Ile	Gln	Gly	Ser	Ala	Ser	Glu	Ala	Thr	Leu	Val	Ala	Leu	Leu	Ala
				110					115					120
Ala	Arg	Thr	Lys	Val	Ile	His	Arg	Leu	Gln	Ala	Ala	Ser	Pro	Glu
				125					130					135
Leu	Thr	Gln	Ala	Ala	Ile	Met	Glu	Lys	Leu	Val	Ala	Tyr	Ser	Ser
				140					145					150
Asp	Gln	Ala	His	Ser	Ser	Val	Glu	Arg	Ala	Gly	Leu	Ile	Gly	Gly
				155					160					165
Val	Lys	Leu	Lys	Ala	Ile	Pro	Ser	Asp	Gly	Asn	Phe	Ala	Met	Arg
				170					175					180
Ala	Ser	Ala	Leu	Gln	Glu	Ala	Leu	Glu	Arg	Asp	Lys	Ala	Ala	Gly
				185					190					195
Leu	Ile	Pro	Phe	Phe	Met	Val	Ala	Thr	Leu	Gly	Thr	Thr	Thr	Cys
				200					205					210
Cys	Ser	Phe	Asp	Asn	Leu	Leu	Glu	Val	Gly	Pro	Ile	Cys	Asn	Lys
				215					220					225
Glu	Asp	Ile	Trp	Leu	His	Val	Asp	Ala	Ala	Tyr	Ala	Gly	Ser	Ala
				230					235					240
Phe	Ile	Cys	Pro	Glu	Phe	Arg	His	Leu	Leu	Asn	Gly	Val	Glu	Phe
				245					250					255
Ala	Asp	Ser	Phe	Asn	Phe	Asn	Pro	His	Lys	Trp	Leu	Leu	Val	Asn
				260					265					270
Phe	Asp	Cys	Ser	Ala	Met	Trp	Val	Lys	Lys	Arg	Thr	Asp	Leu	Thr
				275					280					285
Gly	Ala	Phe	Arg	Leu	Asp	Pro	Thr	Tyr	Leu	Lys	His	Ser	His	Gln
				290					295					300
Asp	Ser	Gly	Leu	Ile	Thr	Asp	Tyr	Arg	His	Trp	Gln	Ile	Pro	Leu
				305					310					315
Gly	Arg	Arg	Phe	Arg	Ser	Leu	Lys	Met	Trp	Phe	Val	Phe	Arg	Met
				320					325					330
Tyr	Gly	Val	Lys	Gly	Leu	Gln	Ala	Tyr	Ile	Arg	Lys	His	Val	Gln
				335					340					345
Leu	Ser	His	Glu	Phe	Glu	Ser	Leu	Val	Arg	Gln	Asp	Pro	Arg	Phe
				350					355					360
Glu	Ile	Cys	Val	Glu	Val	Ile	Leu	Gly	Leu	Val	Cys	Phe	Arg	Leu
				365					370					375
Lys	Gly	Ser	Asn	Lys	Val	Asn	Glu	Ala	Leu	Leu	Gln	Arg	Ile	Asn
				380					385					390
Ser	Ala	Lys	Lys	Ile	His	Leu	Val	Pro	Cys	His	Leu	Arg	Asp	Lys
				395					400					405
Phe	Val	Leu	Arg	Phe	Ala	Ile	Cys	Ser	Arg	Thr	Val	Glu	Ser	Ala
				410					415					420
His	Val	Gln	Arg	Ala	Trp	Glu	His	Ile	Lys	Glu	Leu	Ala	Ala	Asp
				425					430					435
Val	Leu	Arg	Ala	Glu	Arg	Glu								
				440										

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<213> Homo sapiens

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 20 25 30
 Glu Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys Ser
 35 40 45
 Val Pro Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile
 50 55 60
 Glu Lys Val Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr
 65 70 75
 Gly Cys Tyr Cys Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly
 80 85 90
 Thr Asp Trp Val Ser Leu Trp Leu Pro Arg Leu Glu Cys Asn Gly
 95 100 105
 Ala Ile Ser Ala His Cys Ile Leu Asp Leu Leu His Ser Gly Ala
 110 115 120
 Val Gly Arg Met Thr Thr Ala Met Gly Gly Trp Arg Arg Arg Ala
 125 130 135
 Ala Thr Phe Ala His Ser Pro Thr Asn Thr Asp Ser Arg Gly Ala
 140 145 150
 Trp Ser Pro Ala Ser Pro Gly Pro Ser Ala Met
 155 160

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 <213> Homo sapiens

<220>
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 Arg Pro Phe Val Glu Glu Glu Ile Gln Met Ala Ile Arg Thr Pro
 20 25 30
 Glu Met Lys Gly Leu Leu Pro Leu Ala Trp Phe Leu Ala Cys Ser
 35 40 45
 Val Pro Ala Val Gln Gly Gly Leu Leu Asp Leu Lys Ser Met Ile
 50 55 60
 Glu Lys Val Thr Gly Lys Asn Ala Leu Thr Asn Tyr Gly Phe Tyr
 65 70 75
 Gly Cys Tyr Cys Gly Trp Gly Gly Arg Gly Thr Pro Lys Asp Gly
 80 85 90
 Thr Asp Trp Val Ser Leu Trp Leu Pro Arg Leu Glu Cys Asn Gly
 95 100 105
 Ala Ile Ser Ala His Cys Ile Leu Asp Leu Leu His Ser Gly Asp
 110 115 120
 Ser Pro Thr Ser Ala Ser
 125

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<223> Incyte ID No: 7501927CD1

<400> 9

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 20      25      30
Leu Ala Arg Ile Leu Ala Trp Thr Tyr Ala Phe Tyr Asn Asn Cys
 35      40      45
Arg Arg Leu Gln Cys Phe Pro Gln Pro Pro Lys Arg Asn Trp Phe
 50      55      60
Trp Gly His Leu Gly Leu Ile Thr Pro Thr Glu Glu Gly Leu Lys
 65      70      75
Asp Ser Thr Gln Met Ser Ala Thr Tyr Ser Gln Gly Phe Thr Val
 80      85      90
Trp Leu Gly Pro Ile Ile Pro Phe Ile Val Leu Cys His Pro Asp
 95      100      105
Thr Ile Arg Ser Ile Thr Asn Ala Ser Ala Ala Ile Ala Pro Lys
 110      115      120
Asp Asn Leu Phe Ile Arg Phe Leu Lys Pro Trp Leu Gly Glu Gly
 125      130      135
Ile Leu Leu Ser Gly Gly Asp Lys Trp Ser Arg His Arg Arg Met
 140      145      150
Leu Thr Pro Ala Phe His Phe Asn Ile Leu Lys Ser Tyr Ile Thr
 155      160      165
Ile Phe Asn Lys Ser Ala Asn Ile Met Leu Asp Lys Trp Gln His
 170      175      180
Leu Ala Ser Glu Gly Ser Ser Arg Leu Asp Met Phe Glu His Ile
 185      190      195
Ser Leu Met Thr Leu Asp Ser Leu Gln Lys Cys Val Phe Ser Phe
 200      205      210
Asp Ser His Cys Gln Glu Lys Pro Ser Glu Tyr Ile Ala Ala Ile
 215      220      225
Leu Glu Leu Ser Ala Leu Val Ser Lys Arg His His Glu Ile Leu
 230      235      240
Leu His Ile Asp Phe Leu Tyr Tyr Leu Thr Pro Asp Gly Gln Arg
 245      250      255
Phe Arg Arg Ala Cys Arg Leu Val His Asp Phe Thr Asp Ala Val
 260      265      270
Ile Gln Glu Arg Arg Arg Thr Leu Pro Ser Gln Gly Val Asp Asp
 275      280      285
Phe Leu Gln Ala Lys Ala Lys Ser Lys Thr Leu Asp Phe Ile Asp
 290      295      300
Val Leu Leu Leu Ser Lys Asp Glu Asp Gly Lys Lys Leu Ser Asp
 305      310      315
Glu Asp Ile Arg Ala Glu Ala Asp Thr Phe Met Phe Glu Gly His
 320      325      330
Asp Thr Thr Ala Ser Gly Leu Ser Trp Val Leu Tyr His Leu Ala
 335      340      345
Lys His Pro Glu Tyr Gln Glu Arg Cys Arg Gln Glu Val Gln Glu
 350      355      360
Leu Leu Lys Asp Arg Glu Pro Lys Glu Ile Glu Trp Asp Asp Leu
 365      370      375
Ala Gln Leu Pro Phe Leu Thr Met Cys Leu Lys Glu Ser Leu Arg
 380      385      390
Leu His Pro Pro Ile Pro Thr Phe Ala Arg Gly Cys Thr Gln Asp
 395      400      405
Val Val Leu Pro Asp Ser Arg Val Ile Pro Lys Gly Leu
 410      415

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<210> 10

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7503274CD1

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Met Ala Ala Leu Gly Cys Ala Arg Leu Arg Trp Ala Leu Arg Gly
 1          5          10          15
Ala Gly Arg Gly Leu Cys Pro His Gly Ala Arg Ala Lys Ala Ala
          20          25          30
Ile Pro Ala Ala Leu Pro Ser Asp Lys Ala Thr Gly Ala Pro Gly
          35          40          45
Ala Gly Pro Gly Val Arg Arg Arg Gln Arg Ser Leu Glu Glu Ile
          50          55          60
Pro Arg Leu Gly Gln Leu Arg Phe Phe Phe Gln Leu Phe Val Gln
          65          70          75
Gly Tyr Ala Leu Gln Leu His Gln Leu Gln Val Leu Tyr Lys Ala
          80          85          90
Lys Tyr Gly Pro Met Trp Met Ser Tyr Leu Gly Pro Gln Met His
          95          100          105
Val Asn Leu Ala Ser Ala Pro Leu Leu Glu Gln Val Met Arg Gln
          110          115          120
Glu Gly Lys Tyr Pro Val Arg Asn Asp Met Glu Leu Trp Lys Glu
          125          130          135
His Arg Asp Gln His Asp Leu Thr Tyr Gly Pro Phe Thr Thr Glu
          140          145          150
Gly His His Trp Tyr Gln Leu Arg Gln Ala Leu Asn Gln Arg Leu
          155          160          165
Leu Lys Pro Ala Glu Ala Ala Leu Tyr Thr Asp Ala Phe Asn Glu
          170          175          180
Val Ile Asp Asp Phe Met Thr Arg Leu Asp Gln Leu Arg Ala Glu
          185          190          195
Ser Ala Ser Gly Asn Gln Val Ser Asp Met Ala Gln Leu Phe Tyr
          200          205          210
Tyr Phe Ala Leu Glu Ala Ile Cys Tyr Ile Leu Phe Glu Lys Arg
          215          220          225
Ile Gly Cys Leu Gln Arg Ser Ile Pro Glu Asp Thr Val Thr Phe
          230          235          240
Val Arg Ser Ile Gly Leu Met Phe Gln Asn Ser Leu Tyr Ala Thr
          245          250          255
Phe Leu Pro Lys Trp Thr Arg Pro Val Leu Pro Phe Trp Lys Arg
          260          265          270
Tyr Leu Asp Gly Trp Asn Ala Ile Phe Ser Phe Gly Lys Lys Leu
          275          280          285
Ile Asp Glu Lys Leu Glu Asp Met Glu Ala Gln Leu Gln Ala Ala
          290          295          300
Gly Pro Asp Gly Ile Gln Val Ser Gly Tyr Leu His Phe Leu Leu
          305          310          315
Ala Ser Gly Gln Leu Ser Pro Arg Glu Ala Met Gly Ser Leu Pro
          320          325          330
Glu Leu Leu Met Ala Gly Val Asp Thr Thr Ser Asn Thr Leu Thr
          335          340          345
Trp Ala Leu Tyr His Leu Ser Lys Asp Pro Glu Ile Gln Glu Ala
          350          355          360
Leu His Glu Glu Val Val Gly Val Val Pro Ala Gly Gln Val Pro
          365          370          375
Gln His Lys Asp Phe Ala His Met Pro Leu Leu Lys Ala Val Leu
          380          385          390
Lys Glu Thr Leu Arg Leu Tyr Pro Val Val Pro Thr Asn Ser Arg
          395          400          405
Ile Ile Glu Lys Glu Leu Leu Ala His Thr Leu Ser Phe Cys His

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Phe Tyr His Phe 410 415 420

<210> 11
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<220>
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 His Ala Gly Arg Thr Arg Pro Ala Glu Phe Arg Ala Ala Gln Leu
 20 25 30
 Gln Gly Leu Gly Arg Phe Leu Gln Glu Asn Asn Gln Leu Leu His
 35 40 45
 Asp Ala Leu Ala Gln Asp Leu His Lys Ser Ala Phe Glu Ser Glu
 50 55 60
 Val Ser Glu Val Ala Ile Ser Gln Gly Glu Val Thr Leu Ala Leu
 65 70 75
 Arg Asn Leu Arg Ala Trp Met Lys Asp Glu Arg Val Pro Lys Asn
 80 85 90
 Leu Ala Thr Gln Leu Asp Ser Ala Phe Ile Arg Lys Glu Pro Phe
 95 100 105
 Gly Leu Val Leu Ile Ile Ala Pro Trp Asn Tyr Pro Leu Asn Leu
 110 115 120
 Thr Leu Val Pro Leu Val Gly Ala Leu Ala Ala Gly Asn Cys Val
 125 130 135
 Val Leu Lys Pro Ser Glu Ile Ser Lys Asn Val Glu Lys Ile Leu
 140 145 150
 Ala Glu Val Leu Pro Gln Tyr Val Asp Gln Ser Ser Pro Asn Leu
 155 160 165
 Gly Arg Ile Ile Asn Gln Lys Gln Phe Gln Arg Leu Arg Ala Leu
 170 175 180
 Leu Gly Cys Gly Arg Val Ala Ile Gly Gly Gln Ser Asp Glu Ser
 185 190 195
 Asp Arg Tyr Ile Ala Pro Thr Val Leu Val Asp Val Gln Glu Met
 200 205 210
 Glu Pro Val Met Gln Glu Glu Ile Phe Gly Pro Ile Leu Pro Ile
 215 220 225
 Val Asn Val Gln Ser Leu Asp Glu Ala Ile Glu Phe Ile Asn Arg
 230 235 240
 Arg Glu Lys Pro Leu Ala Leu Tyr Ala Phe Ser Asn Ser Ser Gln
 245 250 255
 Val Val Lys Arg Val Leu Thr Gln Thr Ser Ser Gly Gly Phe Cys
 260 265 270
 Gly Asn Asp Gly Phe Met His Met Thr Leu Ala Ser Leu Pro Phe
 275 280 285
 Gly Gly Val Gly Ala Ser Gly Met Gly Arg Tyr His Gly Lys Phe
 290 295 300
 Ser Phe Asp Thr Phe Ser His His Arg Ala Cys Leu Leu Arg Ser
 305 310 315
 Pro Gly Met Glu Lys Leu Asn Ala Leu Arg Tyr Pro Pro Gln Ser
 320 325 330
 Pro Arg Arg Leu Arg Met Leu Leu Val Ala Met Glu Ala Gln Gly
 335 340 345
 Cys Ser Cys Thr Leu Leu
 350

<210> 12
 <211> 366
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7509996CD1

<400> 12

Met	Trp	Glu	Leu	Val	Ala	Leu	Leu	Leu	Leu	Thr	Leu	Ala	Tyr	Leu	
1				5					10					15	
Phe	Trp	Pro	Lys	Arg	Arg	Cys	Pro	Gly	Ala	Lys	Tyr	Pro	Lys	Ser	
				20					25					30	
Leu	Leu	Ser	Leu	Pro	Leu	Val	Gly	Ser	Leu	Pro	Phe	Leu	Pro	Arg	
				35					40					45	
His	Gly	His	Met	His	Asn	Asn	Phe	Phe	Lys	Leu	Gln	Lys	Lys	Tyr	
				50					55					60	
Gly	Pro	Ile	Tyr	Ser	Val	Arg	Met	Gly	Thr	Lys	Thr	Thr	Val	Ile	
				65					70					75	
Val	Gly	His	His	Gln	Leu	Ala	Lys	Glu	Val	Leu	Ile	Lys	Lys	Gly	
				80					85					90	
Lys	Asp	Phe	Ser	Gly	Arg	Pro	Gln	Met	Ala	Thr	Leu	Asp	Ile	Ala	
				95					100					105	
Ser	Asn	Asn	Arg	Lys	Gly	Ile	Ala	Phe	Ala	Asp	Ser	Gly	Ala	His	
				110					115					120	
Trp	Gln	Leu	His	Arg	Arg	Leu	Ala	Met	Ala	Thr	Phe	Ala	Leu	Phe	
				125					130					135	
Lys	Asp	Gly	Asp	Gln	Lys	Leu	Glu	Lys	Ile	Ile	Cys	Gln	Glu	Ile	
				140					145					150	
Ser	Thr	Leu	Cys	Asp	Met	Leu	Ala	Thr	His	Asn	Gly	Gln	Ser	Ile	
				155					160					165	
Asp	Ile	Ser	Phe	Pro	Val	Phe	Val	Ala	Val	Thr	Asn	Val	Ile	Ser	
				170					175					180	
Leu	Ile	Cys	Phe	Asn	Thr	Ser	Tyr	Lys	Asn	Gly	Asp	Pro	Glu	Leu	
				185					190					195	
Asn	Val	Ile	Gln	Asn	Tyr	Asn	Glu	Gly	Ile	Ile	Asp	Asn	Leu	Ser	
				200					205					210	
Lys	Asp	Ser	Leu	Val	Asp	Leu	Val	Pro	Trp	Leu	Lys	Ile	Phe	Pro	
				215					220					225	
Asn	Lys	Thr	Leu	Glu	Lys	Leu	Lys	Ser	His	Val	Lys	Ile	Arg	Asn	
				230					235					240	
Asp	Leu	Leu	Asn	Lys	Ile	Leu	Glu	Asn	Tyr	Lys	Glu	Lys	Phe	Arg	
				245					250					255	
Ser	Asp	Ser	Ile	Thr	Asn	Met	Leu	Asp	Thr	Leu	Met	Gln	Ala	Lys	
				260					265					270	
Met	Asn	Ser	Asp	Asn	Gly	Asn	Ala	Gly	Pro	Asp	Gln	Asp	Ser	Glu	
				275					280					285	
Leu	Leu	Ser	Asp	Asn	His	Ile	Leu	Thr	Thr	Ile	Gly	Asp	Ile	Phe	
				290					295					300	
Gly	Ala	Gly	Val	Glu	Thr	Thr	Thr	Ser	Val	Val	Lys	Trp	Thr	Leu	
				305					310					315	
Ala	Phe	Leu	Leu	His	Asn	Pro	Gln	Val	Cys	Phe	Pro	Leu	Ile	Asp	
				320					325					330	
Pro	Arg	Pro	Gln	Pro	Ala	Gln	Ser	Leu	Gly	Ser	Arg	Glu	Arg	Glu	
				335					340					345	
Ser	Gln	Phe	Ser	Gln	Ala	Phe	Cys	Ala	Gly	Arg	Leu	Gly	Leu	Pro	
				350					355					360	
Cys	Ser	Leu	Pro	Lys	Gln										
				365											

<210> 13
 <211> 246

<212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510030CD1

<400> 13
 Met Ser Arg Pro Gln Leu Arg Arg Trp Arg Leu Val Ser Ser Pro
 1 5 10 15
 Pro Ser Gly Val Pro Gly Leu Ala Leu Leu Ala Leu Leu Ala Leu
 20 25 30
 Leu Ala Leu Arg Leu Ala Ala Gly Thr Asp Cys Pro Cys Pro Glu
 35 40 45
 Pro Glu Leu Cys Arg Pro Ile Arg His His Pro Asp Phe Glu Val
 50 55 60
 Phe Val Phe Asp Val Gly Gln Lys Thr Trp Lys Ser Tyr Asp Trp
 65 70 75
 Ser Gln Ile Thr Thr Val Ala Thr Phe Gly Lys Tyr Asp Ser Glu
 80 85 90
 Leu Met Cys Tyr Ala His Ser Lys Gly Ala Arg Val Val Leu Lys
 95 100 105
 Gly Asp Val Ser Leu Lys Asp Ile Ile Asp Pro Ala Phe Arg Ala
 110 115 120
 Ser Trp Ile Ala Gln Lys Leu Asn Leu Ala Lys Thr Gln Tyr Met
 125 130 135
 Asp Gly Ile Asn Ile Asp Ile Glu Gln Glu Val Asn Cys Leu Ser
 140 145 150
 Pro Glu Tyr Asp Ala Leu Thr Ala Leu Val Lys Glu Thr Thr Asp
 155 160 165
 Ser Phe His Arg Glu Ile Glu Gly Ser Gln Val Thr Phe Asp Val
 170 175 180
 Ala Trp Ser Pro Lys Asn Ile Asp Arg Arg Cys Tyr Asn Tyr Thr
 185 190 195
 Gly Ile Ala Asp Ala Cys Asp Phe Leu Phe Val Met Ser Tyr Asp
 200 205 210
 Glu Gln Ser Gln Ile Trp Ser Glu Cys Ile Ala Ala Ala Asn Ala
 215 220 225
 Pro Tyr Asn Gln Thr Leu Thr Asp Ser Glu Arg Leu His Ser Leu
 230 235 240
 Tyr Glu His Ile Asp Ile
 245

<210> 14
 <211> 463
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510062CD1

<400> 14
 Met Leu Gln Leu Trp Lys Val Val Arg Pro Ala Arg Gln Leu Glu
 1 5 10 15
 Leu His Arg Leu Ile Leu Leu Leu Ile Ala Phe Ser Leu Gly Ser
 20 25 30
 Met Gly Phe Leu Ala Tyr Tyr Val Ser Thr Ser Pro Lys Ala Lys
 35 40 45
 Glu Pro Leu Pro Leu Pro Leu Gly Asp Cys Ser Ser Gly Gly Ala
 50 55 60
 Ala Gly Pro Gly Pro Ala Arg Pro Pro Val Pro Pro Arg Pro Pro
 65 70 75

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Arg Pro Pro Glu Thr Ala Arg Thr Glu Pro Val Val Leu Val Phe
      80      85      90
Val Glu Ser Ala Tyr Ser Gln Leu Gly Gln Glu Ile Val Ala Ile
      95     100     105
Leu Glu Ser Ser Arg Phe Arg Tyr Ser Thr Glu Leu Ala Pro Gly
     110     115     120
Arg Gly Asp Met Pro Thr Leu Thr Asp Asn Thr His Gly Arg Tyr
     125     130     135
Val Leu Val Ile Tyr Glu Asn Leu Leu Lys Tyr Val Asn Leu Asp
     140     145     150
Ala Trp Ser Arg Glu Leu Leu Asp Arg Tyr Cys Val Glu Tyr Gly
     155     160     165
Val Gly Ile Ile Gly Phe Phe Arg Ala His Glu His Ser Leu Leu
     170     175     180
Ser Ala Gln Leu Lys Gly Phe Pro Leu Phe Leu His Ser Asn Leu
     185     190     195
Gly Leu Arg Asp Tyr Gln Val Asn Pro Ser Ala Pro Leu Leu His
     200     205     210
Leu Thr Arg Pro Ser Arg Leu Glu Pro Gly Pro Leu Pro Gly Asp
     215     220     225
Asp Trp Thr Ile Phe Gln Ser Asn His Ser Thr Tyr Glu Pro Val
     230     235     240
Leu Leu Ala Ser Leu Arg Pro Ala Glu Pro Ala Val Pro Gly Pro
     245     250     255
Val Leu Arg Arg Ala Arg Leu Pro Thr Val Val Gln Asp Leu Gly
     260     265     270
Leu His Asp Gly Ile Gln Arg Val Leu Phe Gly His Gly Leu Ser
     275     280     285
Phe Trp Leu His Lys Leu Ile Phe Val Asp Ala Val Ala Tyr Leu
     290     295     300
Thr Gly Lys Arg Leu Cys Leu Asp Leu Asp Arg Tyr Ile Leu Val
     305     310     315
Asp Ile Asp Asp Ile Phe Val Gly Lys Glu Gly Thr Arg Met Lys
     320     325     330
Val Ala Asp Val Glu Ala Leu Leu Thr Thr Gln Asn Lys Leu Arg
     335     340     345
Thr Leu Val Pro Asn Phe Thr Phe Asn Leu Gly Phe Ser Gly Lys
     350     355     360
Phe Tyr His Thr Gly Thr Glu Glu Glu Asp Ala Gly Asp Asp Met
     365     370     375
Leu Leu Lys His Arg Lys Glu Phe Trp Trp Phe Pro His Met Trp
     380     385     390
Ser His Met Gln Pro His Leu Phe His Asn Arg Ser Val Leu Ala
     395     400     405
Asp Gln Met Arg Leu Asn Lys Gln Phe Ala Leu Val Leu Val Arg
     410     415     420
Val Tyr Ala Ile Pro Arg Ser Met Gly Phe Ala Arg Thr Trp Gly
     425     430     435
Met Leu Trp Pro Pro Thr Thr Arg Val Cys Thr Pro Ser Thr Arg
     440     445     450
Ser Ser Met Arg Pro Gly Asn Pro Cys Gly Ala Ser Arg
     455     460

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<210> 15

<211> 165

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510217CD1

<400> 15

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Met Pro Pro Pro Arg Thr Gly Arg Gly Leu Leu Trp Leu Gly Leu
 1      5      10      15
Val Leu Ser Ser Val Cys Val Ala Leu Gly Ser Glu Thr Gln Ala
 20      25      30
Asn Ser Thr Thr Asp Ala Leu Asn Val Leu Leu Ile Ile Val Asp
 35      40      45
Asp Leu Arg Pro Ser Leu Gly Cys Tyr Gly Asp Lys Leu Val Arg
 50      55      60
Ser Pro Asn Ile Asp Gln Leu Ala Ser His Ser Leu Leu Phe Gln
 65      70      75
Asn Ala Phe Ala Gln Gln Ala Val Cys Ala Pro Ser Arg Val Ser
 80      85      90
Phe Leu Thr Gly Arg Arg Pro Asp Thr Thr Arg Leu Tyr Asp Phe
 95      100     105
Asn Ser Tyr Trp Arg Val His Ala Gly Asn Phe Ser Thr Ile Pro
110     115     120
Gln Tyr Phe Lys Glu Asn Gly Tyr Val Thr Met Ser Val Gly Lys
125     130     135
Val Phe His Pro Ala Leu Val Gly Thr His Phe Ser Ala Glu Ser
140     145     150
Leu Phe Ser Arg Pro Phe Ser Val Ser Ile Gly Pro Ala Ser Arg
155     160     165

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<210> 16
 <211> 227
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510298CD1

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<400> 16
Met Pro Leu His Val Lys Trp Pro Phe Pro Ala Val Pro Pro Leu
 1      5      10      15
Thr Trp Thr Leu Ala Ser Ser Val Val Met Gly Leu Val Gly Thr
 20      25      30
Tyr Ser Cys Phe Trp Thr Lys Tyr Met Asn His Leu Thr Val His
 35      40      45
Asn Arg Glu Val Leu Tyr Glu Leu Ile Glu Lys Arg Gly Pro Ala
 50      55      60
Thr Pro Leu Ile Thr Val Ser Asn His Gln Ser Cys Met Asp Asp
 65      70      75
Pro His Leu Trp Gly Ile Leu Lys Leu Arg His Ile Trp Asn Leu
 80      85      90
Lys Leu Met Arg Trp Thr Pro Ala Ala Ala Asp Ile Cys Phe Thr
 95      100     105
Lys Glu Leu His Ser His Phe Phe Ser Leu Gly Lys Cys Val Pro
110     115     120
Val Cys Arg Gly Ala Glu Phe Phe Gln Ala Glu Asn Glu Gly Lys
125     130     135
Gly Val Leu Asp Thr Gly Arg His Met Pro Gly Ala Gly Lys Arg
140     145     150
Arg Glu Lys Gly Asp Gly Val Tyr Gln Lys Gly Met Asp Phe Ile
155     160     165
Leu Glu Lys Leu Asn His Gly Asp Trp Val His Ile Phe Pro Glu
170     175     180
Gly Lys Val Asn Met Ser Ser Glu Phe Leu Arg Phe Lys Trp Gly
185     190     195
Lys Gly Cys Trp Ser Leu Ala Thr Ala Ile Leu Pro Ala Gln Arg
200     205     210
Trp Pro Cys Gly Pro Leu Ala Pro Ala Pro Ser Gly Trp Leu Val

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215 220 225
 Trp Gly

 <210> 17
 <211> 388
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <223> Incyte ID No: 7510299CD1

 <400> 17
 Met Arg Leu Arg Asn Gly Thr Phe Leu Thr Leu Leu Leu Phe Cys
 1 5 10 15
 Leu Cys Ala Phe Leu Ser Leu Ser Trp Tyr Ala Ala Leu Ser Gly
 20 25 30
 Gln Lys Gly Asp Val Val Asp Val Tyr Gln Arg Glu Phe Leu Ala
 35 40 45
 Leu Arg Asp Arg Leu His Ala Ala Glu Gln Glu Ser Leu Lys Arg
 50 55 60
 Ser Lys Glu Leu Asn Leu Val Leu Asp Glu Ile Lys Arg Ala Val
 65 70 75
 Ser Glu Arg Gln Ala Leu Arg Asp Gly Asp Gly Asn Arg Thr Trp
 80 85 90
 Gly Arg Leu Thr Glu Asp Pro Arg Leu Lys Pro Trp Asn Gly Ser
 95 100 105
 His Arg His Val Leu His Leu Pro Thr Val Phe His His Leu Pro
 110 115 120
 His Leu Leu Ala Lys Glu Ser Ser Leu Gln Pro Ala Val Arg Val
 125 130 135
 Gly Gln Gly Arg Thr Gly Val Ser Val Val Met Gly Ile Pro Ser
 140 145 150
 Val Arg Arg Glu Val His Ser Tyr Leu Thr Asp Thr Leu His Ser
 155 160 165
 Leu Ile Ser Glu Leu Ser Pro Gln Glu Lys Glu Asp Ser Val Ile
 170 175 180
 Val Val Leu Ile Ala Glu Thr Asp Ser Gln Tyr Thr Ser Ala Val
 185 190 195
 Thr Glu Asn Ile Lys Ala Leu Phe Pro Thr Glu Ile His Ser Gly
 200 205 210
 Leu Leu Glu Val Ile Ser Pro Ser Pro His Phe Tyr Pro Asp Phe
 215 220 225
 Ser Arg Leu Arg Glu Ser Phe Gly Asp Pro Lys Glu Arg Val Arg
 230 235 240
 Trp Arg Thr Lys Gln Asn Leu Asp Tyr Cys Phe Leu Met Met Tyr
 245 250 255
 Ala Gln Ser Lys Gly Ile Tyr Tyr Val Gln Leu Glu Asp Asp Ile
 260 265 270
 Val Ala Lys Pro Asn Tyr Leu Ser Thr Met Lys Asn Phe Ala Leu
 275 280 285
 Gln Gln Pro Ser Glu Asp Trp Met Ile Leu Glu Phe Ser Gln Leu
 290 295 300
 Gly Phe Ile Gly Lys Met Phe Lys Ser Leu Asp Leu Ser Leu Ile
 305 310 315
 Val Glu Phe Ile Leu Met Phe Tyr Arg Asp Lys Pro Ile Asp Trp
 320 325 330
 Leu Leu Asp His Ile Leu Trp Val Lys Val Cys Asn Pro Glu Lys
 335 340 345
 Asp Ala Val Ser Lys Ser Trp Arg Asp Trp Gln Gly Gln Gly Gln
 350 355 360
 Gly Ala Gly Ser Leu His Pro Lys Leu Cys Pro Cys Pro Cys Ile

365
 Cys Ser His Arg Ala Leu Ser Ala Val Gly Gly Pro Trp 375
 380 385

<210> 18
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510368CD1

<400> 18
 Met Gly Arg Thr Val Val Val Leu Gly Gly Gly Ile Ser Gly Leu
 1 5 10 15
 Ala Ala Ser Tyr His Leu Ser Arg Ala Pro Cys Pro Pro Lys Val
 20 25 30
 Val Leu Val Glu Ser Ser Glu Arg Leu Gly Gly Trp Ile Arg Ser
 35 40 45
 Val Arg Gly Pro Asn Gly Ala Ile Phe Glu Leu Gly Pro Arg Gly
 50 55 60
 Ile Arg Pro Ala Gly Ala Leu Gly Ala Arg Thr Leu Leu Leu Val
 65 70 75
 Arg Gly Leu Trp Asp Val
 80

<210> 19
 <211> 412
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510369CD1

<400> 19
 Met Gly Arg Thr Val Val Val Leu Gly Gly Gly Ile Ser Gly Leu
 1 5 10 15
 Ala Ala Ser Tyr His Leu Ser Arg Ala Pro Cys Pro Pro Lys Val
 20 25 30
 Val Leu Val Glu Ser Ser Glu Arg Leu Gly Gly Trp Ile Arg Ser
 35 40 45
 Val Arg Gly Pro Asn Gly Ala Ile Phe Glu Leu Gly Pro Arg Gly
 50 55 60
 Ile Arg Pro Ala Gly Ala Leu Gly Ala Arg Thr Leu Leu Leu Val
 65 70 75
 Ser Glu Leu Gly Leu Asp Ser Glu Val Leu Pro Val Arg Gly Asp
 80 85 90
 His Pro Ala Ala Gln Asn Arg Phe Leu Tyr Val Gly Gly Ala Leu
 95 100 105
 His Ala Leu Pro Thr Gly Leu Arg Gly Leu Leu Arg Pro Ser Pro
 110 115 120
 Pro Phe Ser Lys Pro Leu Phe Trp Ala Gly Leu Arg Glu Leu Thr
 125 130 135
 Lys Pro Arg Gly Lys Glu Pro Asp Glu Thr Val His Ser Phe Ala
 140 145 150
 Gln Arg Arg Leu Gly Pro Glu Val Ala Ser Leu Ala Met Asp Ser
 155 160 165
 Leu Cys Arg Gly Val Phe Ala Gly Asn Ser Arg Glu Leu Ser Ile
 170 175 180
 Arg Ser Cys Phe Pro Ser Leu Phe Gln Ala Glu Gln Thr His Arg
 185 190 195


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Ser Ile Leu Leu Gly Leu Leu Leu Gly Ala Gly Arg Thr Pro Gln
200 205 210
Pro Asp Ser Ala Leu Ile Arg Gln Ala Leu Ala Glu Arg Trp Ser
215 220 225
Gln Trp Ser Leu Arg Gly Gly Leu Glu Met Leu Pro Gln Ala Leu
230 235 240
Glu Thr His Leu Thr Ser Arg Gly Val Ser Val Leu Arg Gly Gln
245 250 255
Pro Val Cys Gly Leu Ser Leu Gln Ala Glu Gly Arg Trp Lys Val
260 265 270
Ser Leu Arg Asp Ser Ser Leu Glu Ala Asp His Val Ile Ser Ala
275 280 285
Ile Pro Ala Ser Val Leu Ser Glu Leu Leu Pro Ala Glu Ala Ala
290 295 300
Pro Leu Ala Arg Ala Leu Ser Ala Ile Thr Ala Val Ser Val Ala
305 310 315
Val Val Asn Leu Gln Tyr Gln Gly Ala His Leu Pro Val Gln Gly
320 325 330
Phe Gly His Leu Val Pro Ser Ser Glu Asp Pro Gly Val Leu Gly
335 340 345
Ile Val Tyr Asp Ser Val Ala Phe Pro Glu Gln Asp Gly Ser Pro
350 355 360
Pro Gly Leu Arg Val Thr Val Arg Arg Arg Lys Leu Cys Leu Val
365 370 375
Ala Phe Pro Glu Gly Ser Ser Val Leu His Cys Arg Gln Gly Gln
380 385 390
Thr Asp Gln Cys Tyr Ile Pro Ser Leu Gly Asp Ala Gly Arg Phe
395 400 405
Leu Val Thr Asp Thr Gly Gly
410

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<210> 20

<211> 324

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510377CD1

<400> 20

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Met Ala Thr Ser Thr Gly Arg Trp Leu Leu Leu Arg Leu Ala Leu
1 5 10 15
Phe Gly Phe Leu Trp Glu Ala Ser Gly Gly Leu Asp Ser Gly Ala
20 25 30
Ser Arg Asp Asp Asp Leu Leu Leu Pro Tyr Pro Arg Ala Arg Ala
35 40 45
Arg Leu Pro Arg Asp Cys Thr Arg Val Arg Ala Gly Asn Arg Glu
50 55 60
His Glu Ser Trp Pro Pro Pro Ala Thr Pro Gly Ala Gly Gly
65 70 75
Leu Ala Val Arg Thr Phe Val Ser His Phe Arg Asp Arg Ala Val
80 85 90
Ala Gly His Leu Thr Arg Ala Val Glu Pro Leu Arg Thr Phe Ser
95 100 105
Val Leu Glu Pro Gly Gly Pro Gly Gly Cys Ala Ala Arg Arg Arg
110 115 120
Ala Thr Val Glu Glu Thr Ala Arg Ala Ala Asp Cys Arg Val Ala
125 130 135
Gln Asn Gly Gly Phe Phe Arg Met Asn Ser Gly Glu Cys Leu Gly
140 145 150
Asn Val Val Ser Asp Glu Arg Arg Val Ser Ser Ser Gly Gly Leu
155 160 165

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Gln	Asn	Ala	Gln	Phe	Gly	Ile	Arg	Arg	Asp	Gly	Thr	Leu	Val	Thr		
				170					175						180	
Gly	Tyr	Leu	Ser	Glu	Glu	Glu	Val	Leu	Asp	Thr	Glu	Asn	Pro	Phe		
				185					190						195	
Val	Gln	Leu	Leu	Ser	Gly	Val	Val	Trp	Leu	Ile	Arg	Asn	Gly	Ser		
				200					205						210	
Ile	Tyr	Ile	Asn	Glu	Ser	Gln	Ala	Thr	Glu	Cys	Asp	Glu	Thr	Gln		
				215					220						225	
Glu	Thr	Gly	Ser	Phe	Ser	Lys	Phe	Val	Asn	Val	Ile	Ser	Ala	Arg		
				230					235						240	
Thr	Ala	Ile	Gly	His	Asp	Arg	Lys	Gly	Gln	Leu	Val	Leu	Phe	His		
				245					250						255	
Ala	Asp	Gly	Gln	Thr	Glu	Gln	Arg	Gly	Ile	Asn	Leu	Trp	Glu	Met		
				260					265						270	
Ala	Glu	Phe	Leu	Leu	Lys	Gln	Asp	Val	Val	Asn	Ala	Ile	Asn	Leu		
				275					280						285	
Asp	Gly	Gly	Gly	Ser	Ala	Thr	Phe	Val	Leu	Asn	Gly	Thr	Leu	Ala		
				290					295						300	
Ser	Tyr	Pro	Ser	Ser	Asp	His	Cys	Cys	Ser	Gly	Gly	Ser	Gly	Gly	Arg	
				305					310						315	
Ile	Ala	Ile	Pro	His	Leu	Lys	Asn	Arg								
				320												

<210> 21

<211> 1041

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510026CD1

<400> 21

Met	Asn	Asn	Asn	Trp	Asn	Val	Cys	Phe	Phe	Leu	Phe	Cys	Pro	Ser		
1				5					10					15		
Ile	Thr	Arg	Thr	Phe	Ala	Ser	Gly	Lys	Thr	Glu	Lys	Val	Ile	Phe		
				20					25					30		
Gln	Ala	Leu	Lys	Glu	Leu	Gly	Leu	Pro	Ser	Gly	Lys	Asn	Asp	Glu		
				35					40					45		
Ile	Glu	Pro	Thr	Ala	Phe	Ser	Tyr	Glu	Lys	Phe	Tyr	Glu	Leu	Thr		
				50					55					60		
Gln	Lys	Ile	Cys	Pro	Arg	Thr	Asp	Ile	Glu	Asp	Leu	Phe	Lys	Lys		
				65					70					75		
Ile	Asn	Gly	Asp	Lys	Thr	Asp	Tyr	Leu	Thr	Val	Asp	Gln	Leu	Val		
				80					85					90		
Ser	Phe	Leu	Asn	Glu	His	Gln	Arg	Asp	Pro	Arg	Leu	Asn	Glu	Ile		
				95					100					105		
Leu	Phe	Pro	Phe	Tyr	Asp	Ala	Lys	Arg	Ala	Met	Gln	Ile	Ile	Glu		
				110					115					120		
Met	Tyr	Glu	Pro	Asp	Glu	Asp	Leu	Lys	Lys	Lys	Gly	Leu	Ile	Ser		
				125					130					135		
Ser	Asp	Gly	Phe	Cys	Arg	Tyr	Leu	Met	Ser	Asp	Glu	Asn	Ala	Pro		
				140					145					150		
Val	Phe	Leu	Asp	Arg	Leu	Glu	Leu	Tyr	Gln	Glu	Met	Asp	His	Pro		
				155					160					165		
Leu	Ala	His	Tyr	Phe	Ile	Ser	Ser	Ser	His	Asn	Thr	Tyr	Leu	Thr		
				170					175					180		
Gly	Arg	Gln	Phe	Gly	Gly	Lys	Ser	Ser	Val	Glu	Met	Tyr	Arg	Gln		
				185					190					195		
Val	Leu	Leu	Ala	Gly	Cys	Arg	Cys	Val	Glu	Leu	Asp	Cys	Trp	Asp		
				200					205					210		
Gly	Lys	Gly	Glu	Asp	Gln	Glu	Pro	Ile	Ile	Thr	His	Gly	Lys	Ala		
				215					220					225		

Met Cys Thr Asp	Ile Leu Phe Lys Asp	Val Ile Gln Ala Ile Lys	230	235	240
Glu Thr Ala Phe	Val Thr Ser Glu Tyr	Pro Val Ile Leu Ser Phe	245	250	255
Glu Asn His Cys	Ser Lys Tyr Gln Gln	Tyr Lys Met Ser Lys Tyr	260	265	270
Cys Glu Asp Leu	Phe Gly Asp Leu Leu	Leu Lys Gln Ala Leu Glu	275	280	285
Ser His Pro Leu	Glu Pro Gly Arg Ala	Leu Pro Ser Pro Asn Asp	290	295	300
Leu Lys Arg Lys	Ile Leu Ile Lys Asn	Lys Arg Leu Lys Pro Glu	305	310	315
Val Glu Lys Lys	Gln Leu Glu Ala Leu	Arg Ser Met Met Glu Ala	320	325	330
Gly Glu Ser Ala	Ser Pro Ala Asn Ile	Leu Glu Asp Asp Asn Glu	335	340	345
Glu Glu Ile Glu	Ser Ala Asp Gln Glu	Glu Glu Ala His Pro Glu	350	355	360
Phe Lys Phe Gly	Asn Glu Leu Ser Ala	Asp Asp Leu Gly His Lys	365	370	375
Glu Ala Val Ala	Asn Ser Val Lys Lys	Gly Leu Val Thr Val Glu	380	385	390
Asp Glu Gln Ala	Trp Met Ala Ser Tyr	Lys Tyr Val Gly Ala Thr	395	400	405
Thr Asn Ile His	Pro Tyr Leu Ser Thr	Met Ile Asn Tyr Ala Gln	410	415	420
Pro Val Lys Phe	Gln Gly Phe His Val	Ala Glu Glu Arg Asn Ile	425	430	435
His Tyr Asn Met	Ser Ser Phe Asn Glu	Ser Val Gly Leu Gly Tyr	440	445	450
Leu Lys Thr His	Ala Ile Glu Phe Val	Asn Tyr Asn Lys Arg Gln	455	460	465
Met Ser Arg Ile	Tyr Pro Lys Gly Gly	Arg Val Asp Ser Ser Asn	470	475	480
Tyr Met Pro Gln	Ile Phe Trp Asn Ala	Gly Cys Gln Met Val Ser	485	490	495
Leu Asn Tyr Gln	Thr Pro Asp Leu Ala	Met Gln Leu Asn Gln Gly	500	505	510
Lys Phe Glu Tyr	Asn Gly Ser Cys Gly	Tyr Leu Leu Lys Pro Asp	515	520	525
Phe Met Arg Arg	Pro Asp Arg Thr Phe	Asp Pro Phe Ser Glu Thr	530	535	540
Pro Val Asp Gly	Val Ile Ala Ala Thr	Cys Ser Val Gln Val Ile	545	550	555
Ser Gly Gln Phe	Leu Ser Asp Lys Lys	Ile Gly Thr Tyr Val Glu	560	565	570
Val Asp Met Tyr	Gly Leu Pro Thr Asp	Thr Ile Arg Lys Glu Phe	575	580	585
Arg Thr Arg Met	Val Met Asn Asn Gly	Leu Asn Pro Val Tyr Asn	590	595	600
Glu Glu Ser Phe	Val Phe Arg Lys Val	Ile Leu Pro Asp Leu Ala	605	610	615
Val Leu Arg Ile	Ala Val Tyr Asp Asp	Asn Asn Lys Leu Ile Gly	620	625	630
Gln Arg Ile Leu	Pro Leu Asp Gly Leu	Gln Ala Gly Tyr Arg His	635	640	645
Ile Ser Leu Arg	Asn Glu Gly Asn Lys	Pro Leu Ser Leu Pro Thr	650	655	660
Ile Phe Cys Asn	Ile Val Leu Lys Thr	Tyr Val Pro Asp Gly Phe	665	670	675
Gly Asp Ile Val	Asp Ala Leu Ser Asp	Pro Lys Lys Phe Leu Ser	680	685	690
Ile Thr Glu Lys	Arg Ala Asp Gln Met	Arg Ala Met Gly Ile Glu			

Thr Ser Asp Ile	695	Asp Val Pro Ser	700	Thr Ser Lys Asn	705
Lys Lys Gly Lys	710	Ala Asn Thr Ala Lys	715	Ala Asn Val Thr Pro	720
Ser Ser Ser Glu	725	Leu Arg Pro Thr Thr	730	Ala Ala Leu Ala	735
Gly Val Glu Ala	740	Lys Lys Gly Ile Glu	745	Leu Ile Pro Gln Val	750
Ile Glu Asp Leu	755	Lys Gln Met Lys Ala	760	Tyr Leu Lys His Leu	765
Lys Gln Gln Lys	770	Glu Leu Asn Ser Leu	775	Lys Lys Lys His Ala	780
Glu His Ser Thr	785	Met Gln Lys Leu His	790	Cys Thr Gln Val Asp	795
Ile Val Ala Gln	800	Tyr Asp Lys Glu Lys	805	Ser Thr His Glu Lys	810
Leu Glu Lys Ala	815	Met Lys Lys Lys Gly	820	Gly Ser Asn Cys Leu	825
Met Lys Lys Glu	830	Thr Glu Ile Lys Ile	835	Gln Thr Leu Thr Ser	840
His Lys Ser Lys	845	Val Lys Glu Ile Val	850	Ala Gln His Thr Lys	855
Trp Ser Glu Met	860	Ile Asn Thr His Ser	865	Ala Glu Glu Gln Glu	870
Arg Asp Leu His	875	Leu Ser Gln Gln Cys	880	Glu Leu Leu Lys Lys	885
Leu Ile Asn Ala	890	His Glu Gln Gln Thr	895	Gln Gln Leu Lys Leu	900
His Asp Arg Glu	905	Ser Lys Glu Met Arg	910	Ala His Gln Ala Lys	915
Ser Met Glu Asn	920	Ser Lys Ala Ile Ser	925	Gln Asp Lys Ser Ile	930
Asn Lys Ala Glu	935	Arg Glu Arg Arg Val	940	Arg Glu Leu Asn Ser	945
Asn Thr Lys Lys	950	Phe Leu Glu Glu Arg	955	Lys Arg Leu Ala Met	960
Gln Ser Lys Glu	965	Met Asp Gln Leu Lys	970	Lys Val Gln Leu Glu	975
Leu Glu Phe Leu	980	Glu Lys Gln Asn Glu	985	Gln Leu Leu Lys Ser	990
His Ala Val Ser	995	Gln Thr Gln Gly Glu	1000	Gly Asp Ala Ala Asp	1005
Glu Ile Gly Ser	1010	Arg Asp Gly Pro Gln	1015	Thr Ser Asn Ser Ser	1020
Lys Leu Gln Asn	1025	Ala Asn	1030		1035
	1040				

<210> 22

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509168CD1

<400> 22

Met Ala Gly Lys Pro Lys Leu His Tyr Phe Asn Gly Arg Gly Arg

1

5

10

15

Met Glu Pro Ile Arg Trp Leu Leu Ala Ala Gly Val Glu Met

20

25

30

Gly Val

<210> 23
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7500607CD1

<400> 23
 Met Ala Glu Ala His Gln Ala Val Ala Phe Gln Phe Thr Val Thr
 1 5 10 15
 Pro Asp Gly Val Asp Phe Arg Leu Ser Arg Glu Ala Leu Lys His
 20 25 30
 Val Tyr Leu Ser Gly Ile Asn Ser Trp Lys Lys Arg Leu Ile Arg
 35 40 45
 Ile Lys Asn Gly Ile Leu Arg Gly Val Tyr Pro Gly Ser Pro Thr
 50 55 60
 Ser Trp Leu Val Val Ile Met Ala Thr Val Gly Ser Ser Phe Cys
 65 70 75
 Asn Val Asp Ile Ser Leu Gly Leu Val Trp Pro Leu Pro Asp Pro
 80 85 90
 Ala Asp Pro Gly Thr Ser Gln His Gly His Leu Leu His Gly Arg
 95 100 105
 Leu Gly Asp Gly His Leu Leu Leu Pro Pro Asn Pro Glu Ala Ala
 110 115 120
 Ser Leu Leu Pro Trp Val Asp Val
 125

<210> 24
 <211> 362
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7506079CD1

<400> 24
 Met Leu Lys Phe Arg Thr Val His Gly Gly Leu Arg Leu Leu Gly
 1 5 10 15
 Ile Arg Arg Thr Ser Thr Ala Pro Ala Ser Pro Asn Val Arg
 20 25 30
 Arg Leu Glu Tyr Lys Pro Thr Met Lys Ser Gly Asn Ser Asp Val
 35 40 45
 Tyr Glu Asn Glu Ile Pro Gly Gly Gln Tyr Thr Asn Leu His Phe
 50 55 60
 Gln Ala His Ser Met Gly Leu Gly Ser Lys Phe Lys Glu Val Lys
 65 70 75
 Lys Ala Tyr Val Glu Ala Asn Gln Met Leu Gly Asp Leu Ile Lys
 80 85 90
 Val Thr Pro Ser Ser Lys Ile Val Gly Asp Leu Ala Gln Phe Met
 95 100 105
 Val Gln Asn Gly Leu Ser Arg Ala Glu Ala Glu Ala Gln Ala Glu
 110 115 120
 Glu Leu Ser Phe Pro Arg Ser Val Val Glu Phe Leu Gln Gly Tyr
 125 130 135
 Ile Gly Val Pro His Gly Gly Phe Pro Glu Pro Phe Arg Ser Lys
 140 145 150
 Val Leu Lys Asp Leu Pro Arg Val Glu Gly Arg Pro Gly Ala Ser
 155 160 165

<400>	25													
Met	Gly	Leu	Pro	Gln	Pro	Gly	Leu	Trp	Leu	Lys	Arg	Leu	Trp	Val
1				5					10					15
Leu	Leu	Glu	Val	Ala	Val	His	Val	Val	Val	Gly	Lys	Val	Leu	Leu
				20					25					30
Ile	Leu	Phe	Pro	Asp	Arg	Val	Lys	Arg	Asn	Ile	Leu	Ala	Met	Gly
				35					40					45
Glu	Lys	Thr	Gly	Asn	Arg	Pro	Leu	Val	Leu	Asn	Phe	Gly	Ser	Cys
				50					55					60
Thr	Xaa	Pro	Ser	Phe	Met	Phe	Lys	Phe	Asp	Gln	Phe	Lys	Arg	Leu
				65					70					75
Ile	Glu	Asp	Phe	Ser	Ser	Ile	Ala	Asp	Phe	Leu	Val	Ile	Tyr	Ile
				80					85					90
Glu	Glu	Ala	His	Ala	Ser	Asp	Gly	Trp	Ala	Phe	Lys	Asn	Asn	Met
				95					100					105
Asp	Ile	Arg	Asn	His	Gln	Asn	Leu	Gln	Asp	Arg	Leu	Gln	Ala	Ala
				110					115					120
His	Leu	Leu	Leu	Ala	Arg	Ser	Pro	Gln	Cys	Pro	Val	Val	Val	Asp
				125					130					135
Thr	Met	Gln	Asn	Gln	Ser	Ser	Gln	Leu	Tyr	Ala	Ala	Leu	Pro	Glu

Arg Leu Tyr Ile	140	Ile Gln Glu Gly Arg	145	Ile Leu Tyr Lys Gly Lys	150
	155		160		165
Ser Gly Pro Trp	170	Asn Tyr Asn Pro Glu	175	Glu Val Arg Ala Val	180
Glu Lys Leu His	185	Ser			

<210> 26
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7509263CD1

<400> 26

Met Ser His His Trp	Gly Tyr Gly Lys	His Asn Gly Pro Glu His
1	5	10 15
Trp His Lys Asp Phe	Pro Ile Ala Lys	Gly Glu Arg Gln Ser Pro
	20	25 30
Val Asp Ile Asp Thr	His Thr Ala Lys	Tyr Asp Pro Ser Leu Lys
	35	40 45
Pro Leu Ser Val Ser	Tyr Asp Gln Ala	Thr Ser Leu Arg Ile Leu
	50	55 60
Asn Asn Gly His Ala	Phe Asn Val Glu	Phe Asp Asp Ser Gln Asp
	65	70 75
Lys Ala Ala Ser Leu	Gly Ser Leu Glu	His Gln Ile Trp Gly Phe
	80	85 90
Trp Glu Ser Cys Ala	Ala Thr	
	95	

<210> 27
 <211> 217
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7509360CD1

<400> 27

Met Leu Ala Lys Gly	Leu Pro Pro Arg	Ser Val Leu Val Lys Gly
1	5	10 15
Cys Gln Thr Phe Leu	Ser Ala Pro Arg	Glu Gly Leu Gly Arg Leu
	20	25 30
Arg Val Pro Thr Gly	Glu Gly Ala Gly	Ile Ser Thr Arg Ser Pro
	35	40 45
Arg Pro Phe Asn Glu	Ile Pro Ser Pro	Gly Asp Asn Gly Trp Leu
	50	55 60
Asn Leu Tyr His Phe	Trp Arg Glu Thr	Gly Thr His Lys Val His
	65	70 75
Leu His His Val Gln	Asn Phe Gln Lys	Tyr Gly Pro Ile Tyr Arg
	80	85 90
Glu Lys Leu Gly Asn	Val Glu Ser Val	Tyr Val Ile Asp Pro Glu
	95	100 105
Asp Val Ala Leu Leu	Phe Lys Ser Glu	Gly Pro Asn Pro Glu Arg
	110	115 120
Phe Leu Ile Pro Pro	Trp Val Ala Tyr	His Gln Tyr Tyr Gln Arg
	125	130 135
Pro Ile Gly Val Leu	Leu Lys Lys Ser	Ala Ala Trp Lys Lys Asp
	140	145 150

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Arg Val Ala Leu Asn Gln Glu Val Met Ala Pro Glu Ala Thr Lys
      155      160      165
Asn Phe Leu Pro Leu Leu Asp Ala Val Ser Arg Asp Phe Val Ser
      170      175      180
Val Leu His Arg Arg Ile Lys Lys Ala Gly Ser Gly Asn Tyr Ser
      185      190      195
Gly Asp Ile Ser Asp Asp Leu Phe Arg Phe Ala Phe Lys Val His
      200      205      210
Asp Pro Ala Val Ala Leu Val
      215

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<210> 28
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7509394CD1

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<400> 28
Met Ile Asn Met Gly Asp Ser His Val Asp Thr Ser Ser Thr Val
  1       5       10      15
Ser Glu Ala Val Ala Glu Glu Val Ser Leu Phe Ser Met Thr Asp
      20      25      30
Met Ile Leu Phe Ser Leu Ile Val Gly Leu Leu Thr Tyr Trp Phe
      35      40      45
Leu Phe Arg Lys Lys Lys Glu Glu Val Pro Glu Phe Thr Lys Ile
      50      55      60
Gln Thr Leu Thr Ser Ser Val Arg Glu Ser Ser Phe Val Glu Lys
      65      70      75
Met Lys Lys Thr Gly Arg Asn Ile Ile Val Phe Tyr Gly Ser Gln
      80      85      90
Thr Gly Thr Ala Glu Glu Phe Ala Asn Arg Leu Ser Lys Asp Ala
      95     100     105
His Arg Tyr Gly Met Arg Gly Met Ser Ala Asp Pro Glu Glu Tyr
     110     115     120
Asp Leu Ala Asp Leu Ser Ser Leu Pro Glu Ile Asp Asn Ala Leu
     125     130     135
Val Val Phe Cys Met Ala Thr Tyr Gly Glu Gly Asp Pro Thr Asp
     140     145     150
Asn Ala Gln Asp Phe Tyr Asp Trp Leu Gln Glu Thr Asp Val Asp
     155     160     165
Leu Ser Gly Val Lys Phe Ala Leu Gly Gly Gly Leu His His Leu
     170     175     180
Ala Arg Ala Val Leu Ala Gly Arg Val
     185

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<210> 29
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7581076CD1

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<400> 29
Met Glu Phe Asp Cys Glu Gly Leu Arg Arg Leu Leu Gly Lys Gly
  1       5       10      15
Ile Ala Asp Arg Leu Val Leu Leu Asp Leu Ser Glu Gly Thr Lys
      20      25      30
Gly Ala Thr Met Asp Leu Glu Ile Phe Asn Leu Pro Asn Val Glu

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Ile Ser Lys Asp	35	Leu Ser Ala Ser Ala	40	His Ser Lys Val Val	45
	50		55		60
Phe Thr Val Asn Ser	65	Leu Gly Ser Ser	70	Gln Ser Tyr Leu Asp	75
	80	Val Asp Met Phe Arg	85	Ala Leu Val Pro Ala	90
Gly His Tyr Ser	95	Gln His Ser Val Leu	100	Leu Val Ala Ser Gln	105
	110	Val Glu Ile Met Thr	115	Tyr Val Thr Trp Lys	120
Ala Asn Arg Val	125	Ile Gly Ile Gly Cys	130	Asn Leu Asp Ser Gln	135
Leu Gln Tyr Ile	140	Ile Thr Asn Val Leu	145	Lys Ala Gln Thr Ser	150
	155	Lys Glu Val Trp Val	160	Ile Gly Glu Gln Gly	165
Thr Trp Ser Gly	170	Gln Glu Glu Val Val	175	Ser His Thr Ser Gln	180
Gln Leu Ser Asn Arg	185	Asp Ile Met Ile			

<210> 30
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7504551CD1

Met Ala Ala Leu Arg	1	Ala Leu Cys Gly	5	Phe Arg Gly Val Ala	10	Ala	15
Gln Val Leu Arg Pro	20	Gly Ala Gly Val Arg	25	Leu Pro Ile Gln Pro	30		30
Ser Arg Cys Gly Pro	35	Ser Lys Gly His	40	Cys Glu Glu His Tyr	45		45
Pro Glu Leu Trp Ala	50	Pro Thr Pro Ser	55	Ser Ala Trp Cys Pro	60	Ala	60
Thr Ser Asp Gly Ile	65	Glu Trp Gly Asp	70	Gly Ala Glu Val			

<210> 31
 <211> 115
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7500652CD1

Met Gly Asp Arg Gly	1	Ser Ser Arg Arg	5	Arg Arg Thr Gly Ser	10	Arg	15
Pro Ser Ser His Gly	20	Gly Gly Gly Pro	25	Ala Ala Ala Glu Glu	30	Glu	30
Val Arg Asp Ala Ala	35	Ala Gly Pro Asp	40	Val Gly Ala Ala Gly	45	Asp	45
Ala Pro Ala Pro Ala	50	Pro Asn Lys Asp	55	Gly Asp Ala Gly Val	60	Gly	60
Ser Gly His Trp Glu	65	Leu Arg Cys His	70	Arg Leu Gln Asp Ser	75	Leu	75

Phe	Ser	Ser	Asp	Ser	Gly	Phe	Ser	Asn	Tyr	Arg	Gly	Ile	Leu	Asn	
			80						85					90	
Trp	Cys	Val	Val	Met	Leu	Val	Trp	His	Pro	Gly	Gly	Pro	His	Pro	
			95						100					105	
Gly	Gly	Phe	Ser	Val	Pro	Glu	Gly	Ser	Leu						
			110						115						

<210> 32

<211> 403

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7500900CD1

<400> 32

Met	Glu	Leu	Glu	Val	Arg	Arg	Val	Arg	Gln	Ala	Phe	Leu	Ser	Gly	
1				5					10					15	
Arg	Ser	Arg	Pro	Leu	Arg	Phe	Arg	Leu	Gln	Gln	Leu	Glu	Ala	Leu	
				20					25					30	
Arg	Arg	Met	Val	Gln	Glu	Arg	Glu	Lys	Asp	Ile	Leu	Thr	Ala	Ile	
				35					40					45	
Ala	Ala	Asp	Leu	Cys	Lys	Ser	Glu	Phe	Asn	Val	Tyr	Ser	Gln	Glu	
				50					55					60	
Val	Ile	Thr	Val	Leu	Gly	Glu	Ile	Asp	Phe	Met	Leu	Glu	Asn	Leu	
				65					70					75	
Pro	Glu	Trp	Val	Thr	Ala	Lys	Pro	Val	Lys	Lys	Asn	Val	Leu	Thr	
				80					85					90	
Met	Leu	Asp	Glu	Ala	Tyr	Ile	Gln	Pro	Gln	Pro	Leu	Gly	Val	Val	
				95					100					105	
Leu	Ile	Ile	Gly	Ala	Trp	Asn	Tyr	Pro	Phe	Val	Leu	Thr	Ile	Gln	
				110					115					120	
Pro	Leu	Ile	Gly	Ala	Ile	Ala	Ala	Gly	Asn	Ala	Val	Ile	Ile	Lys	
				125					130					135	
Pro	Ser	Glu	Leu	Ser	Glu	Asn	Thr	Ala	Lys	Ile	Leu	Ala	Lys	Leu	
				140					145					150	
Leu	Pro	Gln	Tyr	Leu	Asp	Gln	Asp	Leu	Tyr	Ile	Val	Ile	Asn	Gly	
				155					160					165	
Gly	Val	Glu	Glu	Thr	Thr	Glu	Leu	Leu	Lys	Gln	Arg	Phe	Asp	His	
				170					175					180	
Ile	Phe	Tyr	Thr	Gly	Asn	Thr	Ala	Val	Gly	Lys	Ile	Val	Met	Glu	
				185					190					195	
Ala	Ala	Ala	Lys	His	Leu	Thr	Pro	Val	Thr	Leu	Glu	Leu	Gly	Gly	
				200					205					210	
Lys	Ser	Pro	Cys	Tyr	Ile	Asp	Lys	Asp	Cys	Asp	Leu	Asp	Ile	Val	
				215					220					225	
Cys	Arg	Arg	Ile	Thr	Trp	Gly	Lys	Tyr	Met	Asn	Cys	Gly	Gln	Thr	
				230					235					240	
Cys	Ile	Ala	Pro	Asp	Tyr	Ile	Leu	Cys	Glu	Ala	Ser	Leu	Gln	Asn	
				245					250					255	
Gln	Ile	Val	Trp	Lys	Ile	Lys	Glu	Thr	Val	Lys	Glu	Phe	Tyr	Gly	
				260					265					270	
Glu	Asn	Ile	Lys	Glu	Ser	Pro	Asp	Tyr	Glu	Arg	Ile	Ile	Asn	Leu	
				275					280					285	
Arg	His	Phe	Lys	Arg	Ile	Leu	Ser	Leu	Leu	Glu	Gly	Gln	Lys	Ile	
				290					295					300	
Ala	Phe	Gly	Gly	Glu	Thr	Asp	Glu	Ala	Thr	Arg	Tyr	Ile	Ala	Pro	
				305					310					315	
Thr	Val	Leu	Thr	Asp	Val	Asp	Pro	Lys	Thr	Lys	Val	Met	Gln	Glu	
				320					325					330	
Glu	Ile	Phe	Gly	Pro	Ile	Leu	Pro	Ile	Val	Pro	Val	Lys	Asn	Val	
				335					340					345	

Asp	Glu	Ala	Ile	Asn	Phe	Ile	Asn	Glu	Arg	Glu	Lys	Pro	Leu	Ala	
				350					355					360	
Leu	Tyr	Val	Phe	Ser	His	Asn	His	Lys	Leu	Ile	Lys	Arg	Met	Ile	
				365					370					375	
Asp	Glu	Thr	Ser	Ser	Gly	Gly	Val	Thr	Gly	Asn	Asp	Val	Ile	Met	
				380					385					390	
His	Phe	Thr	Leu	Asn	Ser	Phe	Pro	Phe	Gly	Gly	Val	Gly			
				395					400						

<210> 33
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7501398CD1

<400>	33														
Met	Arg	Gly	Glu	Gln	Gly	Ala	Ala	Gly	Ala	Arg	Val	Leu	Gln	Phe	
1				5					10					15	
Thr	Asn	Cys	Arg	Ile	Leu	Arg	Gly	Gly	Lys	Leu	Leu	Arg	Glu	Asp	
				20					25					30	
Leu	Trp	Val	Arg	Gly	Gly	Arg	Ile	Leu	Asp	Pro	Glu	Lys	Leu	Phe	
				35					40					45	
Phe	Glu	Glu	Arg	Arg	Val	Ala	Asp	Glu	Arg	Arg	Asp	Cys	Gly	Gly	
				50					55					60	
Arg	Ile	Leu	Ala	Pro	Gly	Phe	Ile	Asp	Val	Gln	Ile	Asn	Gly	Gly	
				65					70					75	
Phe	Gly	Val	Asp	Phe	Ser	Gln	Ala	Thr	Glu	Asp	Val	Gly	Ser	Gly	
				80					85					90	
Val	Ala	Leu	Val	Ala	Arg	Arg	Ile	Leu	Ser	His	Gly	Val	Thr	Ser	
				95					100					105	
Phe	Cys	Pro	Thr	Leu	Val	Thr	Ser	Pro	Pro	Glu	Val	Tyr	His	Lys	
				110					115					120	
Gly	Cys	Thr	Trp	Arg	Ala	Pro	Ser	Ser	Ala	Gly	Arg	Ser	Gly	Ala	
				125					130					135	
Arg	Thr	Pro	Arg	Pro	Thr	Ser	Ala	Pro	Ser	Arg	Pro	Met	Pro	Ser	
				140					145					150	
Arg	Thr	Cys	Trp	Pro	Pro	Thr	Gly	Pro	Trp	Thr	Met	Ser	Ala	Ser	
				155					160					165	

<210> 34
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7501417CD1

<400>	34														
Met	Gly	Val	Pro	Arg	Thr	Pro	Ser	Arg	Thr	Val	Leu	Phe	Glu	Arg	
1				5					10					15	
Glu	Arg	Thr	Gly	Leu	Thr	Tyr	Arg	Val	Pro	Ser	Leu	Leu	Pro	Val	
				20					25					30	
Pro	Pro	Gly	Pro	Thr	Leu	Leu	Ala	Phe	Val	Glu	Gln	Arg	Leu	Ser	
				35					40					45	
Pro	Asp	Asp	Ser	His	Ala	His	Arg	Leu	Val	Leu	Arg	Arg	Gly	Thr	
				50					55					60	
Leu	Ala	Gly	Gly	Ser	Val	Arg	Thr	Gly	Pro	His	Ser	Leu	Trp	Val	
				65					70					75	

<400> 35														
Met	Ser	Pro	Arg	Val	Val	Ser	Asn	Ser	Ser	Val	Leu	Ala	Ser	Gln
1				5					10					15
Ser	Val	Gly	Ile	Thr	Asn	Val	Arg	Thr	Val	Phe	Ser	Asn	Val	Phe
				20					25					30
Asn	Asn	Thr	Thr	Ala	Phe	Pro	Ile	Leu	Arg	Gly	Ser	Asn	Cys	His
				35					40					45
Lys	Ile	Thr	Ala	Pro	Gly	Leu	Gly	Lys	Gly	Gln	Leu	Val	Asn	Leu
				50					55					60
Leu	Pro	Pro	Glu	Asn	Leu	Pro	Trp	Cys	Gly	Gly	Ser	Gln	Gly	Pro
				65					70					75
Arg	Met	Leu	Arg	Thr	Cys	Tyr	Val	Leu	Cys	Ser	Gln	Ala	Gly	Pro
				80					85					90
Pro	Ser	Arg	Gly	Trp	Gln	Ser	Leu	Ser	Phe	Asp	Gly	Gly	Ala	Phe
				95					100					105
His	Leu	Lys	Gly	Thr	Gly	Glu	Leu	Thr	Arg	Ala	Leu	Leu	Val	Leu
				110					115					120
Arg	Leu	Cys	Ala	Trp	Pro	Pro	Leu	Val	Thr	His	Gly	Leu	Leu	Leu
				125					130					135
Gln	Ala	Trp	Ser	Arg	Arg	Leu	Leu	Gly	Ser	Arg	Leu	Ser	Gly	Ala
				140					145					150
Phe	Leu	Arg	Ala	Ser	Val	Tyr	Gly	Gln	Phe	Val	Ala	Gly	Glu	Thr
				155					160					165
Ala	Glu	Glu	Val	Lys	Gly	Cys	Val	Gln	Gln	Leu	Arg	Thr	Leu	Ser
				170					175					180
Leu	Arg	Pro	Leu	Leu	Ala	Val	Pro	Thr	Glu	Glu	Glu	Pro	Asp	Ser
				185					190					195
Ala	Ala	Lys	Ser	Gly	Glu	Ala	Trp	Tyr	Glu	Gly	Asn	Leu	Gly	Ala
				200					205					210
Met	Leu	Arg	Cys	Val	Asp	Leu	Ser	Arg	Gly	Leu	Leu	Glu	Pro	Pro
				215					220					225

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<220>  
<221> misc_feature
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<223> Incyte ID No: 7501555CD1

<400> 37

Met	Leu	Ala	Val	His	Phe	Asp	Lys	Pro	Gly	Gly	Pro	Glu	Asn	Leu	
1				5					10					15	
Tyr	Val	Lys	Glu	Val	Ala	Lys	Pro	Ser	Pro	Gly	Glu	Gly	Glu	Val	
				20					25					30	
Leu	Leu	Lys	Val	Ala	Ala	Ser	Ala	Leu	Asn	Arg	Ala	Asp	Leu	Met	
				35					40					45	
Gln	Arg	Gln	Gly	Gln	Tyr	Asp	Pro	Pro	Pro	Gly	Ala	Ser	Asn	Ile	
				50					55					60	
Leu	Gly	Leu	Glu	Ala	Ser	Gly	His	Val	Ala	Glu	Leu	Gly	Pro	Gly	
				65					70					75	
Cys	Gln	Gly	His	Trp	Lys	Ile	Gly	Asp	Thr	Ala	Met	Ala	Leu	Leu	
				80					85					90	
Pro	Gly	Gly	Gly	Gln	Ala	Gln	Tyr	Val	Thr	Val	Pro	Glu	Gly	Leu	
				95					100					105	
Leu	Met	Pro	Ile	Pro	Glu	Gly	Leu	Thr	Leu	Thr	Gln	Ala	Ala	Ala	
				110					115					120	
Ile	Pro	Glu	Ala	Trp	Leu	Thr	Ala	Phe	Gln	Leu	Leu	His	Leu	Val	
				125					130					135	
Gly	Asn	Val	Gln	Ala	Gly	Asp	Tyr	Val	Leu	Ile	His	Ala	Gly	Leu	
				140					145					150	
Ser	Gly	Val	Gly	Thr	Ala	Ala	Ile	Gln	Leu	Thr	Arg	Met	Ala	Gly	
				155					160					165	
Ala	Ile	Pro	Leu	Val	Thr	Ala	Gly	Ser	Gln	Lys	Lys	Leu	Gln	Met	
				170					175					180	
Ala	Glu	Lys	Leu	Gly	Ala	Ala	Ala	Gly	Phe	Asn	Tyr	Lys	Lys	Glu	
				185					190					195	
Asp	Phe	Ser	Glu	Ala	Thr	Leu	Lys	Phe	Thr	Lys	Val	Gln	Ala	Asn	
				200					205					210	
Ala	Gly	Glu	Cys	Phe	His	Gly	Ala	Asn	Ser	Ala	Ser	Leu	Leu	His	
				215					220					225	
Gly	Gly	Pro	Pro	Thr	Ser	Ala	Ala	Gly	Ser	Gly	Gln	Asn	Leu	Pro	
				230					235					240	
Ser	Asp	Arg	Asn	Pro	Gly	Gly	Pro								
				245											

<210> 38

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7501561CD1

<400> 38

Met	Leu	Trp	Ser	Gly	Cys	Arg	Arg	Phe	Gly	Ala	Arg	Leu	Gly	Cys	
1				5					10					15	
Leu	Pro	Gly	Gly	Leu	Arg	Val	Leu	Val	Gln	Thr	Gly	His	Arg	Ser	
				20					25					30	
Leu	Thr	Ser	Cys	Ile	Asp	Pro	Ser	Met	Gly	Leu	Asn	Glu	Glu	Gln	
				35					40					45	
Lys	Glu	Phe	Gln	Lys	Val	Ala	Phe	Asp	Phe	Ala	Ala	Arg	Glu	Met	
				50					55					60	
Ala	Pro	Asn	Met	Ala	Glu	Trp	Asp	Gln	Lys	His	Val	Cys	Leu	Asp	
				65					70					75	

Asp

<210> 39

<211> 168

<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7506108CD1

<400> 39
Met Pro Asp Glu Asn Ile Phe Leu Phe Val Pro Asn Leu Ile Gly
1 5 10 15
Thr Arg Phe Gly Ala Met Leu Asp Met Leu Thr Asp Arg Cys Ser
20 25 30
Thr Met Cys Leu Leu Val Asn Leu Ala Leu Leu Tyr Pro Gly Ala
35 40 45
Thr Leu Phe Phe Gln Ile Ser Met Ser Leu Asp Val Ala Ser His
50 55 60
Trp Leu His Leu His Ser Ser Val Val Arg Gly Ser Glu Ser His
65 70 75
Lys Met Ile Asp Leu Ser Gly Asn Pro Val Leu Arg Ile Tyr Tyr
80 85 90
Thr Ser Arg Pro Ala Leu Phe Thr Leu Cys Ala Gly Asn Glu Leu
95 100 105
Phe Tyr Cys Leu Leu Tyr Leu Phe His Phe Ser Glu Gly Pro Leu
110 115 120
Val Gly Ser Val Gly Leu Phe Arg Met Gly Leu Trp Val Thr Ala
125 130 135
Pro Ile Ala Leu Leu Lys Ser Leu Ile Ser Val Ile His Leu Ile
140 145 150
Thr Ala Ala Arg Asn Met Ala Ala Leu Asp Ala Ala Asp His Ala
155 160 165
Lys Lys Lys

<210> 40
<211> 187
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7506123CD1

<400> 40
Met Asp Ala Pro Arg Gln Val Val Asn Phe Gly Pro Gly Pro Ala
1 5 10 15
Lys Leu Pro His Ser Val Leu Leu Glu Ile Gln Lys Glu Leu Leu
20 25 30
Asp Tyr Lys Gly Val Gly Ile Ser Val Leu Glu Met Ser His Arg
35 40 45
Ser Ser Asp Phe Ala Lys Ile Ile Asn Asn Thr Glu Asn Leu Val
50 55 60
Arg Glu Leu Leu Ile Tyr Val Met Gly Leu Val Leu Glu Trp Ile
65 70 75
Lys Asn Asn Gly Gly Ala Ala Ala Met Glu Lys Leu Ser Ser Ile
80 85 90
Lys Ser Gln Thr Ile Tyr Glu Ile Ile Asp Asn Ser Gln Gly Phe
95 100 105
Tyr Val Cys Pro Val Glu Pro Gln Asn Arg Ser Lys Met Asn Ile
110 115 120
Pro Phe Arg Ile Gly Asn Ala Lys Gly Asp Asp Ala Leu Glu Lys
125 130 135
Arg Phe Leu Asp Lys Ala Leu Glu Leu Asn Met Leu Ser Leu Lys
140 145 150

Gly	His	Arg	Ser	Val	Gly	Gly	Ile	Arg	Ala	Ser	Leu	Tyr	Asn	Ala	
				155					160					165	
Val	Thr	Ile	Glu	Asp	Val	Gln	Lys	Leu	Ala	Ala	Phe	Met	Lys	Lys	
				170					175					180	
Phe	Leu	Glu	Met	His	Gln	Leu									
				185											

<210> 41

<211> 1091

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506248CD1

<400> 41

Met	Ser	Ala	Lys	Ala	Ile	Ser	Glu	Gln	Thr	Gly	Lys	Glu	Leu	Leu	
1				5					10					15	
Tyr	Lys	Phe	Ile	Cys	Thr	Thr	Ser	Ala	Ile	Gln	Asn	Arg	Phe	Lys	
				20					25					30	
Tyr	Ala	Arg	Val	Thr	Pro	Asp	Thr	Asp	Trp	Ala	Arg	Leu	Leu	Gln	
				35					40					45	
Asp	His	Pro	Trp	Leu	Leu	Ser	Gln	Asn	Leu	Val	Val	Lys	Pro	Asp	
				50					55					60	
Gln	Leu	Ile	Lys	Arg	Arg	Gly	Lys	Leu	Gly	Leu	Val	Gly	Val	Asn	
				65					70					75	
Leu	Thr	Leu	Asp	Gly	Val	Lys	Ser	Trp	Leu	Lys	Pro	Arg	Leu	Gly	
				80					85					90	
Gln	Glu	Ala	Thr	Val	Gly	Lys	Ala	Thr	Gly	Phe	Leu	Lys	Asn	Phe	
				95					100					105	
Leu	Ile	Glu	Pro	Phe	Val	Pro	His	Ser	Gln	Ala	Glu	Glu	Phe	Tyr	
				110					115					120	
Val	Cys	Ile	Tyr	Ala	Thr	Arg	Glu	Gly	Asp	Tyr	Val	Leu	Phe	His	
				125					130					135	
His	Glu	Gly	Gly	Val	Asp	Val	Gly	Asp	Val	Asp	Ala	Lys	Ala	Gln	
				140					145					150	
Lys	Leu	Leu	Val	Gly	Val	Asp	Glu	Lys	Leu	Asn	Pro	Glu	Asp	Ile	
				155					160					165	
Lys	Lys	His	Leu	Leu	Val	His	Ala	Pro	Glu	Asp	Lys	Lys	Glu	Ile	
				170					175					180	
Leu	Ala	Ser	Phe	Ile	Ser	Gly	Leu	Phe	Asn	Phe	Tyr	Glu	Asp	Leu	
				185					190					195	
Tyr	Phe	Thr	Tyr	Leu	Glu	Ile	Asn	Pro	Leu	Val	Val	Thr	Lys	Asp	
				200					205					210	
Gly	Val	Tyr	Val	Leu	Asp	Leu	Ala	Ala	Lys	Val	Asp	Ala	Thr	Ala	
				215					220					225	
Asp	Tyr	Ile	Cys	Lys	Val	Lys	Trp	Gly	Asp	Ile	Glu	Phe	Pro	Pro	
				230					235					240	
Pro	Phe	Gly	Arg	Glu	Ala	Tyr	Pro	Glu	Glu	Ala	Tyr	Ile	Ala	Asp	
				245					250					255	
Leu	Asp	Ala	Lys	Ser	Gly	Ala	Ser	Leu	Lys	Leu	Thr	Leu	Leu	Asn	
				260					265					270	
Pro	Lys	Gly	Arg	Ile	Trp	Thr	Met	Val	Ala	Gly	Gly	Gly	Ala	Ser	
				275					280					285	
Val	Val	Tyr	Ser	Asp	Thr	Ile	Cys	Asp	Leu	Gly	Gly	Val	Asn	Glu	
				290					295					300	
Leu	Ala	Asn	Tyr	Gly	Glu	Tyr	Ser	Gly	Ala	Pro	Ser	Glu	Gln	Gln	
				305					310					315	
Thr	Tyr	Asp	Tyr	Ala	Lys	Thr	Ile	Leu	Ser	Leu	Met	Thr	Arg	Glu	
				320					325					330	
Lys	His	Pro	Asp	Gly	Lys	Ile	Leu	Ile	Ile	Gly	Gly	Ser	Ile	Ala	
				335					340					345	

Asn	Phe	Thr	Asn	Val	Ala	Ala	Thr	Phe	Lys	Gly	Ile	Val	Arg	Ala
				350					355					360
Ile	Arg	Asp	Tyr	Gln	Gly	Pro	Leu	Lys	Glu	His	Glu	Val	Thr	Ile
				365					370					375
Phe	Val	Arg	Arg	Gly	Gly	Pro	Asn	Tyr	Gln	Glu	Gly	Leu	Arg	Val
				380					385					390
Met	Gly	Glu	Val	Gly	Lys	Thr	Thr	Gly	Ile	Pro	Ile	His	Val	Phe
				395					400					405
Gly	Thr	Glu	Thr	His	Met	Thr	Ala	Ile	Val	Gly	Met	Ala	Leu	Gly
				410					415					420
His	Arg	Pro	Ile	Pro	Asn	Gln	Pro	Pro	Thr	Ala	Ala	His	Thr	Ala
				425					430					435
Asn	Phe	Leu	Leu	Asn	Ala	Ser	Gly	Ser	Thr	Ser	Thr	Pro	Ala	Pro
				440					445					450
Ser	Arg	Thr	Ala	Ser	Phe	Ser	Glu	Ser	Arg	Ala	Asp	Glu	Val	Ala
				455					460					465
Pro	Ala	Lys	Lys	Ala	Lys	Pro	Ala	Met	Pro	Gln	Gly	Lys	Ser	Thr
				470					475					480
Thr	Leu	Phe	Ser	Arg	His	Thr	Lys	Ala	Ile	Val	Trp	Gly	Met	Gln
				485					490					495
Thr	Arg	Ala	Val	Gln	Gly	Met	Leu	Asp	Phe	Asp	Tyr	Val	Cys	Ser
				500					505					510
Arg	Asp	Glu	Pro	Ser	Val	Ala	Ala	Met	Val	Tyr	Pro	Phe	Thr	Gly
				515					520					525
Asp	His	Lys	Gln	Lys	Phe	Tyr	Trp	Gly	His	Lys	Glu	Ile	Leu	Ile
				530					535					540
Pro	Val	Phe	Lys	Asn	Met	Ala	Asp	Ala	Met	Arg	Lys	His	Pro	Glu
				545					550					555
Val	Asp	Val	Leu	Ile	Asn	Phe	Ala	Ser	Leu	Arg	Ser	Ala	Tyr	Asp
				560					565					570
Ser	Thr	Met	Glu	Thr	Met	Asn	Tyr	Ala	Gln	Ile	Arg	Thr	Ile	Ala
				575					580					585
Ile	Ile	Ala	Glu	Gly	Ile	Pro	Glu	Ala	Leu	Thr	Arg	Lys	Leu	Ile
				590					595					600
Lys	Lys	Ala	Asp	Gln	Lys	Gly	Val	Thr	Ile	Ile	Gly	Pro	Ala	Thr
				605					610					615
Val	Gly	Gly	Ile	Lys	Pro	Gly	Cys	Phe	Lys	Ile	Gly	Asn	Thr	Gly
				620					625					630
Gly	Met	Leu	Asp	Asn	Ile	Leu	Ala	Ser	Lys	Leu	Tyr	Arg	Pro	Gly
				635					640					645
Ser	Val	Ala	Tyr	Val	Ser	Arg	Ser	Gly	Gly	Met	Ser	Asn	Glu	Leu
				650					655					660
Asn	Asn	Ile	Ile	Ser	Arg	Thr	Thr	Asp	Gly	Val	Tyr	Glu	Gly	Val
				665					670					675
Ala	Ile	Gly	Gly	Asp	Arg	Tyr	Pro	Gly	Ser	Thr	Phe	Met	Asp	His
				680					685					690
Val	Leu	Arg	Tyr	Gln	Asp	Thr	Pro	Gly	Val	Lys	Met	Ile	Val	Val
				695					700					705
Leu	Gly	Glu	Ile	Gly	Gly	Thr	Glu	Glu	Tyr	Lys	Ile	Cys	Arg	Gly
				710					715					720
Ile	Lys	Glu	Gly	Arg	Leu	Thr	Lys	Pro	Ile	Val	Cys	Trp	Cys	Ile
				725					730					735
Gly	Thr	Cys	Ala	Thr	Met	Phe	Ser	Ser	Glu	Val	Gln	Phe	Gly	His
				740					745					750
Ala	Gly	Ala	Cys	Ala	Asn	Gln	Ala	Ser	Glu	Thr	Ala	Val	Ala	Lys
				755					760					765
Asn	Gln	Ala	Leu	Lys	Glu	Ala	Gly	Val	Phe	Val	Pro	Arg	Ser	Phe
				770					775					780
Asp	Glu	Leu	Gly	Glu	Ile	Ile	Gln	Ser	Val	Tyr	Glu	Asp	Leu	Val
				785					790					795
Ala	Asn	Gly	Val	Ile	Val	Pro	Ala	Gln	Glu	Val	Pro	Pro	Pro	Thr
				800					805					810
Val	Pro	Met	Asp	Tyr	Ser	Trp	Ala	Arg	Glu	Leu	Gly	Leu	Ile	Arg

Lys	Pro	Ala	Ser	Phe	Met	Thr	Ser	Ile	Cys	Asp	Glu	Arg	Gly	Gln	815	820	825
Glu	Leu	Ile	Tyr	Ala	Gly	Met	Pro	Ile	Thr	Glu	Val	Phe	Lys	Glu	830	835	840
Glu	Met	Gly	Ile	Gly	Gly	Val	Leu	Gly	Leu	Leu	Trp	Phe	Gln	Lys	845	850	855
Arg	Leu	Pro	Lys	Tyr	Ser	Cys	Gln	Phe	Ile	Glu	Met	Cys	Leu	Met	860	865	870
Val	Thr	Ala	Asp	His	Gly	Pro	Ala	Val	Ser	Gly	Ala	His	Asn	Thr	875	880	885
Ile	Ile	Cys	Ala	Arg	Ala	Gly	Lys	Asp	Leu	Val	Ser	Ser	Leu	Thr	890	895	900
Ser	Gly	Leu	Leu	Thr	Ile	Gly	Asp	Arg	Phe	Gly	Gly	Ala	Leu	Asp	905	910	915
Ala	Ala	Ala	Lys	Met	Phe	Ser	Lys	Ala	Phe	Asp	Ser	Gly	Ile	Ile	920	925	930
Pro	Met	Glu	Phe	Val	Asn	Lys	Met	Lys	Lys	Glu	Gly	Lys	Leu	Ile	935	940	945
Met	Gly	Ile	Gly	His	Arg	Val	Lys	Ser	Ile	Asn	Asn	Pro	Asp	Met	950	955	960
Arg	Val	Gln	Ile	Leu	Lys	Asp	Tyr	Val	Arg	Gln	His	Phe	Pro	Ala	965	970	975
Thr	Pro	Leu	Leu	Asp	Tyr	Ala	Leu	Glu	Val	Glu	Lys	Ile	Thr	Thr	980	985	990
Ser	Lys	Lys	Pro	Asn	Leu	Ile	Leu	Asn	Val	Asp	Gly	Leu	Ile	Gly	995	1000	1005
Val	Ala	Phe	Val	Asp	Met	Leu	Arg	Asn	Cys	Gly	Ser	Phe	Thr	Arg	1010	1015	1020
Glu	Glu	Ala	Asp	Glu	Tyr	Ile	Asp	Ile	Gly	Ala	Leu	Asn	Gly	Ile	1025	1030	1035
Phe	Val	Leu	Gly	Arg	Ser	Met	Gly	Phe	Ile	Gly	His	Tyr	Leu	Asp	1040	1045	1050
Gln	Lys	Arg	Leu	Lys	Gln	Gly	Leu	Tyr	Arg	His	Pro	Trp	Asp	Asp	1055	1060	1065
Ile	Ser	Tyr	Val	Leu	Pro	Glu	His	Met	Ser	Met					1070	1075	1080
															1085	1090	

<210> 42

<211> 473

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506347CD1

<400> 42

Met	Gln	Glu	Asn	Met	Ala	Lys	Arg	Val	Ala	Ile	Val	Gly	Ala	Gly	1	5	10	15
Val	Ser	Gly	Leu	Ala	Ser	Ile	Lys	Cys	Cys	Leu	Glu	Glu	Gly	Leu	20	25	30	35
Glu	Pro	Thr	Cys	Phe	Glu	Arg	Ser	Asp	Asp	Leu	Gly	Gly	Leu	Trp	35	40	45	50
Arg	Phe	Thr	Thr	Lys	Val	Cys	Ser	Val	Thr	Lys	Cys	Ser	Asp	Ser	50	55	60	65
Ala	Val	Ser	Gly	Gln	Trp	Glu	Val	Val	Thr	Met	His	Glu	Glu	Lys	65	70	75	80
Gln	Glu	Ser	Ala	Ile	Phe	Asp	Ala	Val	Met	Val	Cys	Thr	Gly	Phe	80	85	90	95
Leu	Thr	Asn	Pro	Tyr	Leu	Pro	Leu	Asp	Ser	Phe	Pro	Gly	Ile	Asn	95	100	105	110
Ala	Phe	Lys	Gly	Gln	Tyr	Phe	His	Ser	Arg	Gln	Tyr	Lys	His	Pro				

Asp Ile Phe Lys	110	Asp Lys Arg Val Leu	115	Val Ile Gly Met Gly	120
Ser Gly Thr Asp	125	Ile Ala Val Glu Ala	130	Ser His Leu Ala Glu	135
Val Phe Leu Ser	140	Thr Thr Gly Gly Gly	145	Val Ile Ser Arg	150
Phe Asp Ser Gly	155	Tyr Pro Trp Asp Met	160	Val Phe Met Thr Arg	165
Gln Asn Met Leu	170	Arg Asn Ser Leu Pro	175	Thr Pro Ile Val Thr	180
Leu Met Glu Arg	185	Lys Ile Asn Asn Trp	190	Leu Asn His Ala Asn	195
Gly Leu Ile Pro	200	Glu Asp Arg Thr Gln	205	Leu Lys Glu Phe Val	210
Asn Asp Glu Leu	215	Pro Gly Arg Ile Ile	220	Thr Gly Lys Val Phe	225
Arg Pro Ser Ile	230	Lys Glu Val Lys Glu	235	Asn Ser Val Ile Phe	240
Asn Thr Ser Lys	245	Glu Glu Pro Ile Asp	250	Ile Ile Val Phe Ala	255
Gly Tyr Thr Phe	260	Ala Phe Pro Phe Leu	265	Asp Glu Ser Val Val	270
Val Glu Asp Gly	275	Gln Ala Ser Leu Tyr	280	Lys Tyr Ile Phe Pro	285
His Leu Gln Lys	290	Pro Thr Leu Ala Ile	295	Ile Gly Leu Ile Lys	300
Leu Gly Ser Met	305	Ile Pro Thr Gly Glu	310	Thr Gln Ala Arg Trp	315
Val Arg Val Leu	320	Lys Gly Val Asn Lys	325	Leu Pro Pro Pro Ser	330
Met Ile Glu Glu	335	Ile Asn Ala Arg Lys	340	Glu Asn Lys Pro Ser	345
Phe Gly Leu Cys	350	Tyr Cys Lys Ala Leu	355	Gln Ser Asp Tyr Ile	360
Tyr Ile Asp Glu	365	Leu Leu Thr Tyr Ile	370	Asn Ala Lys Pro Asn	375
Phe Ser Met Leu	380	Leu Thr Asp Pro His	385	Leu Ala Leu Thr Val	390
Phe Gly Pro Cys	395	Ser Pro Tyr Gln Phe	400	Arg Leu Thr Gly Pro	405
Lys Trp Glu Gly	410	Ala Arg Asn Ala Ile	415	Met Thr Gln Trp Asp	420
Thr Phe Lys Val	425	Ile Lys Ala Arg Val	430	Val Gln Glu Ser Pro	435
Pro Phe Glu Ser	440	Phe Leu Lys Val Phe	445	Ser Phe Leu Ala Leu	450
Val Ala Ile Phe	455	Leu Ile Phe Leu	460		465
	470				

<210> 43

<211> 139

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509172CD1

<400> 43

Met Glu Pro Phe Val Val Leu Val Leu Cys Leu Ser Phe Met Leu

1

5

10

15

Leu Phe Ser Leu Trp Arg Gln Ser Cys Arg Arg Arg Lys Leu Pro

	20		25		30
Pro Gly Pro Thr	Pro Leu Pro Ile Ile	Gly Asn Met Leu Gln Ile			
	35		40		45
Asp Val Lys Asp	Ile Cys Lys Ser Phe	Thr Asn Phe Ser Lys Val			
	50		55		60
Tyr Gly Pro Val	Phe Thr Val Tyr Phe	Gly Met Asn Pro Ile Val			
	65		70		75
Val Phe His Gly	Tyr Glu Ala Val Lys	Glu Ala Leu Ile Asp Asn			
	80		85		90
Gly Glu Glu Phe	Ser Gly Arg Gly Asn	Ser Pro Ile Ser Gln Arg			
	95		100		105
Ile Thr Lys Gly	Leu Gly Arg Cys Thr	Tyr Phe Cys Val Ser Phe			
	110		115		120
Gly Asn Trp Gly	Glu Gly Asp Gly Lys	Gln Ser Pro Lys Lys Leu			
	125		130		135
Leu Ser Arg Ala					

<210> 44
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510421CD1

<400> 44	
Met Ser Val Gly Phe	Ile Gly Ala Gly Gln Leu Ala Tyr Ala Leu
1	5
	10
Ala Arg Gly Phe Thr	Ala Ala Gly Ile Leu Ser Ala His Lys Ile
	20
	25
Ile Ala Ser Ser Pro	Glu Met Asn Leu Pro Thr Val Ser Ala Leu
	35
	40
Arg Val Gly Gly Ala	Gly Arg Ser Gly Lys Arg Val Glu Ala Gln
	50
	55
Glu Lys Asp Asp Leu	Arg
	65

<210> 45
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7504625CD1

<400> 45	
Met Ala Thr Gly Thr	Arg Tyr Ala Gly Lys Val Val Val Val Thr
1	5
	10
Gly Gly Gly Arg Gly	Ile Gly Ala Gly Ile Val Arg Ala Phe Val
	20
	25
Asp Ser Gly Ala Arg	Val Val Ile Cys Asp Lys Asp Glu Ser Gly
	35
	40
Gly Arg Ala Leu Glu	Gln Glu Leu Pro Gly Ala Val Phe Ile Leu
	50
	55
Cys Asp Val Thr Gln	Glu Asp Asp Val Lys Thr Leu Val Ser Glu
	65
	70
Thr Ile Arg Arg Phe	Gly Arg Leu Asp Cys Val Val Asn Asn Ala
	80
	85
Gly His Pro Arg Pro	Pro Leu Pro Ala Glu Glu Ser Arg Glu Cys
	95
	100
	105

His	Gln	His	Leu	Gln	Pro	Gly	Gly	Gly	Asn	Arg	Pro	Gly	Pro	Gly	
				110					115					120	
Ser	Ser	Leu	Cys	Gly	His	Gln	Gly	Gly	Ser	Asn	Ser	His	Asp	Gln	
				125					130					135	
Ser	Phe	Gly	Pro	Gly											
				140											

<210> 46

<211> 356

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7504776CD1

<400> 46

Met	Trp	Glu	Leu	Val	Ala	Leu	Leu	Leu	Leu	Thr	Leu	Ala	Tyr	Leu	
1				5					10					15	
Phe	Trp	Pro	Lys	Arg	Arg	Cys	Pro	Gly	Ala	Lys	Tyr	Pro	Lys	Ser	
				20					25					30	
Leu	Leu	Ser	Leu	Pro	Leu	Val	Gly	Ser	Leu	Pro	Phe	Leu	Pro	Arg	
				35					40					45	
His	Gly	His	Met	His	Asn	Asn	Phe	Phe	Lys	Leu	Gln	Lys	Lys	Tyr	
				50					55					60	
Gly	Pro	Ile	Tyr	Ser	Val	Arg	Met	Gly	Thr	Lys	Thr	Thr	Val	Ile	
				65					70					75	
Val	Gly	His	His	Gln	Leu	Ala	Lys	Glu	Val	Leu	Ile	Lys	Lys	Gly	
				80					85					90	
Lys	Asp	Phe	Ser	Gly	Arg	Pro	Gln	Met	Glu	Lys	Phe	Arg	Ser	Asp	
				95					100					105	
Ser	Ile	Thr	Asn	Met	Leu	Asp	Thr	Leu	Met	Gln	Ala	Lys	Met	Asn	
				110					115					120	
Ser	Asp	Asn	Gly	Asn	Ala	Gly	Pro	Asp	Gln	Asp	Ser	Glu	Leu	Leu	
				125					130					135	
Ser	Asp	Asn	His	Ile	Leu	Thr	Thr	Ile	Gly	Asp	Ile	Phe	Gly	Ala	
				140					145					150	
Gly	Val	Glu	Thr	Thr	Thr	Ser	Val	Val	Lys	Trp	Thr	Leu	Ala	Phe	
				155					160					165	
Leu	Leu	His	Asn	Pro	Gln	Val	Lys	Lys	Lys	Leu	Tyr	Glu	Glu	Ile	
				170					175					180	
Asp	Gln	Asn	Val	Gly	Phe	Ser	Arg	Thr	Pro	Thr	Ile	Ser	Asp	Arg	
				185					190					195	
Asn	Arg	Leu	Leu	Leu	Leu	Glu	Ala	Thr	Ile	Arg	Glu	Val	Leu	Arg	
				200					205					210	
Leu	Arg	Pro	Val	Ala	Pro	Met	Leu	Ile	Pro	His	Lys	Ala	Asn	Val	
				215					220					225	
Asp	Ser	Ser	Ile	Gly	Glu	Phe	Ala	Val	Asp	Lys	Gly	Thr	Glu	Val	
				230					235					240	
Ile	Ile	Asn	Leu	Trp	Ala	Leu	His	His	Asn	Glu	Lys	Glu	Trp	His	
				245					250					255	
Gln	Pro	Asp	Gln	Phe	Met	Pro	Glu	Arg	Phe	Leu	Asn	Pro	Ala	Gly	
				260					265					270	
Thr	Gln	Leu	Ile	Ser	Pro	Ser	Val	Ser	Tyr	Leu	Pro	Phe	Gly	Ala	
				275					280					285	
Gly	Pro	Arg	Ser	Cys	Ile	Gly	Glu	Ile	Leu	Ala	Arg	Gln	Glu	Leu	
				290					295					300	
Phe	Leu	Ile	Met	Ala	Trp	Leu	Leu	Gln	Arg	Phe	Asp	Leu	Glu	Val	
				305					310					315	
Pro	Asp	Asp	Gly	Gln	Leu	Pro	Ser	Leu	Glu	Gly	Ile	Pro	Lys	Val	
				320					325					330	
Val	Phe	Leu	Ile	Asp	Ser	Phe	Lys	Val	Lys	Ile	Lys	Val	Arg	Gln	
				335					340					345	

Ala Trp Arg Glu Ala Gln Ala Glu Gly Ser Thr
 350 355

<210> 47
 <211> 141
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7504927CD1

<400> 47
 Met Ala Phe Leu Ala Ser Gly Pro Tyr Leu Thr His Gln Gln Lys
 1 5 10 15
 Val Leu Arg Leu Tyr Lys Arg Ala Leu Arg His Leu Glu Ser Trp
 20 25 30
 Cys Val Gln Arg Asp Lys Tyr Arg Tyr Phe Ala Cys Leu Met Arg
 35 40 45
 Ala Arg Phe Glu Glu His Lys Asn Glu Lys Asp Met Ala Lys Ala
 50 55 60
 Thr Gln Leu Leu Lys Glu Ala Glu Glu Glu Phe Trp Tyr Arg Gln
 65 70 75
 His Pro Gln Pro Tyr Ile Phe Pro Asp Ser Pro Gly Gly Thr Ser
 80 85 90
 Tyr Glu Arg Tyr Asp Cys Tyr Lys Val Lys Gln Leu Gln Glu Glu
 95 100 105
 Thr Pro Pro Gly Gly Pro Leu Thr Glu Ala Leu Pro Pro Ala Arg
 110 115 120
 Lys Glu Gly Asp Leu Pro Pro Leu Trp Trp Tyr Ile Val Thr Arg
 125 130 135
 Pro Arg Glu Arg Pro Met
 140

<210> 48
 <211> 398
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7505010CD1

<400> 48
 Met Leu Pro Pro Gly Arg Gln Asp Leu Ser Ser Ala Ser Leu Pro
 1 5 10 15
 Gly Ala Val Ala Ala Leu Ser Pro Leu Arg Ile Met Ala Thr Ala
 20 25 30
 Glu Val Leu Asn Ile Gly Lys Lys Leu Tyr Glu Gly Lys Thr Lys
 35 40 45
 Glu Val Tyr Glu Leu Leu Asp Ser Pro Gly Lys Val Leu Leu Gln
 50 55 60
 Ser Lys Asp Gln Ile Thr Ala Gly Asn Ala Ala Arg Lys Asn His
 65 70 75
 Leu Glu Gly Lys Ala Ala Ile Ser Asn Lys Ile Thr Ser Cys Ile
 80 85 90
 Phe Gln Leu Leu Gln Glu Ala Gly Ile Lys Thr Ala Phe Thr Arg
 95 100 105
 Lys Cys Gly Glu Thr Ala Phe Ile Ala Pro Gln Cys Glu Met Ile
 110 115 120
 Pro Ile Glu Trp Val Cys Arg Arg Ile Ala Thr Gly Ser Phe Leu
 125 130 135
 Lys Arg Asn Pro Gly Val Lys Glu Gly Tyr Lys Phe Tyr Pro Pro

	140	145	150
Lys Val Glu Leu Phe Phe Lys Asp Asp	Ala Asn Asn Asp Pro	Gln	
	155	160	165
Trp Ser Glu Glu Gln Leu Ile Ala Ala	Lys Phe Cys Phe Ala	Gly	
	170	175	180
Leu Leu Ile Gly Gln Thr Glu Val Asp	Ile Met Ser His Ala	Thr	
	185	190	195
Gln Ala Ile Phe Glu Ile Leu Glu Lys	Ser Trp Leu Pro Gln	Asn	
	200	205	210
Cys Thr Leu Val Asp Met Lys Ile Glu	Phe Gly Val Asp Val	Thr	
	215	220	225
Thr Lys Glu Ile Val Leu Ala Asp Val	Ile Asp Asn Asp Ser	Trp	
	230	235	240
Arg Leu Trp Pro Ser Gly Asp Arg Ser	Gln Gln Lys Asp Lys	Gln	
	245	250	255
Ser Tyr Arg Asp Leu Lys Glu Val Thr	Pro Glu Gly Leu Gln	Met	
	260	265	270
Val Lys Lys Asn Phe Glu Trp Val Ala	Glu Arg Val Glu Leu	Leu	
	275	280	285
Leu Lys Ser Glu Ser Gln Cys Arg Val	Val Val Leu Met Gly	Ser	
	290	295	300
Thr Ser Asp Leu Gly His Cys Glu Lys	Ile Lys Lys Ala Cys	Gly	
	305	310	315
Asn Phe Gly Ile Pro Cys Glu Leu Arg	Val Thr Ser Ala His	Lys	
	320	325	330
Gly Pro Asp Glu Thr Leu Arg Ile Lys	Ala Glu Tyr Glu Gly	Leu	
	335	340	345
Gly Cys Ser Thr Val Leu Ser Pro Glu	Gly Ser Ala Gln Phe	Ala	
	350	355	360
Ala Gln Ile Phe Gly Leu Ser Asn His	Leu Val Trp Ser Lys	Leu	
	365	370	375
Arg Ala Ser Ile Leu Asn Thr Trp Ile	Ser Leu Lys Gln Ala	Asp	
	380	385	390
Lys Lys Ile Arg Glu Cys Asn Leu			
	395		

<210> 49

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505173CD1

<400> 49

Met Ala Ser Arg Val Leu Ser Ala Tyr Val Ser Arg Leu Pro Ala	
1 5 10 15	
Ala Phe Ala Pro Leu Pro Arg Val Arg Met Leu Ala Val Ala Arg	
20 25 30	
Pro Leu Ser Thr Ala Leu Cys Ser Ala Gly Thr Gln Thr Arg Leu	
35 40 45	
Gly Thr Leu Gln Pro Ala Leu Val Leu Ala Gln Leu Ser Val Asn	
50 55 60	
Ser His Phe Met Lys Asp Leu Gly Leu Asp Ser Leu Asp Gln Val	
65 70 75	
Glu Ile Ile Met Ala Met Glu Asp Glu Phe Gly Phe Glu Ile Pro	
80 85 90	
Asp Ile Asp Ala Glu Lys Leu Met Cys Pro Gln Glu Ile Val Asp	
95 100 105	
Tyr Ile Ala Asp Lys Lys Asp Val Tyr Glu	
110 115	

<210> 50
 <211> 744
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7510061CD1

<400> 50

Met	Leu	Gln	Leu	Trp	Lys	Val	Val	Arg	Pro	Ala	Arg	Gln	Leu	Glu
1				5					10					15
Leu	His	Arg	Leu	Ile	Leu	Leu	Leu	Ile	Ala	Phe	Ser	Leu	Gly	Ser
				20					25					30
Met	Gly	Phe	Leu	Ala	Tyr	Tyr	Val	Ser	Thr	Ser	Pro	Lys	Ala	Lys
				35					40					45
Glu	Pro	Leu	Pro	Leu	Pro	Leu	Gly	Asp	Cys	Ser	Ser	Gly	Gly	Ala
				50					55					60
Ala	Gly	Pro	Gly	Pro	Ala	Arg	Pro	Pro	Val	Pro	Pro	Arg	Pro	Pro
				65					70					75
Arg	Pro	Pro	Glu	Thr	Ala	Arg	Thr	Glu	Pro	Val	Val	Leu	Val	Phe
				80					85					90
Val	Glu	Ser	Ala	Tyr	Ser	Gln	Leu	Gly	Gln	Glu	Ile	Val	Ala	Ile
				95					100					105
Leu	Glu	Ser	Ser	Arg	Phe	Arg	Tyr	Ser	Thr	Glu	Leu	Ala	Pro	Gly
				110					115					120
Arg	Gly	Asp	Met	Pro	Thr	Leu	Thr	Asp	Asn	Thr	His	Gly	Arg	Tyr
				125					130					135
Val	Leu	Val	Ile	Tyr	Glu	Asn	Leu	Leu	Lys	Tyr	Val	Asn	Leu	Asp
				140					145					150
Ala	Trp	Ser	Arg	Glu	Leu	Leu	Asp	Arg	Tyr	Cys	Val	Glu	Tyr	Gly
				155					160					165
Val	Gly	Ile	Ile	Gly	Phe	Phe	Arg	Ala	His	Glu	His	Ser	Leu	Leu
				170					175					180
Ser	Ala	Gln	Leu	Lys	Gly	Phe	Pro	Leu	Phe	Leu	His	Ser	Asn	Leu
				185					190					195
Gly	Leu	Arg	Asp	Tyr	Gln	Val	Asn	Pro	Ser	Ala	Pro	Leu	Leu	His
				200					205					210
Leu	Thr	Arg	Pro	Ser	Arg	Leu	Glu	Pro	Gly	Pro	Leu	Pro	Gly	Asp
				215					220					225
Asp	Trp	Thr	Ile	Phe	Gln	Ser	Asn	His	Ser	Thr	Tyr	Glu	Pro	Val
				230					235					240
Leu	Leu	Ala	Ser	Leu	Arg	Pro	Ala	Glu	Pro	Ala	Val	Pro	Gly	Pro
				245					250					255
Val	Leu	Arg	Arg	Ala	Arg	Leu	Pro	Thr	Val	Val	Gln	Asp	Leu	Gly
				260					265					270
Leu	His	Asp	Gly	Ile	Gln	Arg	Val	Leu	Phe	Gly	His	Gly	Leu	Ser
				275					280					285
Phe	Trp	Leu	His	Lys	Leu	Ile	Phe	Val	Asp	Ala	Val	Ala	Tyr	Leu
				290					295					300
Thr	Gly	Lys	Arg	Leu	Cys	Leu	Asp	Leu	Asp	Arg	Tyr	Ile	Leu	Val
				305					310					315
Asp	Ile	Asp	Asp	Ile	Phe	Val	Gly	Lys	Glu	Gly	Thr	Arg	Met	Lys
				320					325					330
Val	Ala	Asp	Val	Glu	Ala	Leu	Leu	Thr	Thr	Gln	Asn	Lys	Leu	Arg
				335					340					345
Thr	Leu	Val	Pro	Asn	Phe	Thr	Phe	Asn	Leu	Gly	Phe	Ser	Gly	Lys
				350					355					360
Phe	Tyr	His	Thr	Gly	Thr	Glu	Glu	Glu	Asp	Ala	Gly	Asp	Asp	Met
				365					370					375
Leu	Leu	Lys	His	Arg	Lys	Glu	Phe	Trp	Trp	Phe	Pro	His	Met	Trp
				380					385					390
Ser	His	Met	Gln	Pro	His	Leu	Phe	His	Asn	Arg	Ser	Val	Leu	Ala

Asp Gln Met Arg	395	Leu Asn Lys Gln Phe	400	Ala Leu Glu His Gly	405
	410		415		420
Pro Thr Asp Leu	425	Gly Tyr Ala Val Ala	430	Pro His His Ser Gly	435
Tyr Pro Ile His	440	Thr Gln Leu Tyr Glu	445	Ala Trp Lys Ser Val	450
Gly Ile Gln Val	455	Thr Ser Thr Glu Glu	460	Tyr Pro His Leu Arg	465
Ala Arg Tyr Arg	470	Arg Gly Phe Ile His	475	Asn Gly Ile Met Val	480
Pro Arg Gln Thr	485	Cys Gly Leu Phe Thr	490	His Thr Ile Phe Tyr	495
Glu Tyr Pro Gly	500	Gly Ser Arg Glu Leu	505	Asp Arg Ser Ile Arg	510
Gly Glu Leu Phe	515	Leu Thr Val Leu Leu	520	Asn Pro Ile Ser Ile	525
Met Thr His Leu	530	Ser Asn Tyr Gly Asn	535	Asp Arg Leu Gly Leu	540
Thr Phe Glu Ser	545	Leu Val Arg Phe Leu	550	Gln Cys Trp Thr Arg	555
Arg Leu Gln Thr	560	Leu Pro Pro Val Pro	565	Leu Ala Gln Lys Tyr	570
Glu Leu Phe Pro	575	Gln Glu Arg Ser Pro	580	Leu Trp Gln Asn Pro	585
Asp Asp Lys Arg	590	His Lys Asp Ile Trp	595	Ser Lys Glu Lys Thr	600
Asp Arg Leu Pro	605	Lys Phe Leu Ile Val	610	Gly Pro Gln Lys Thr	615
Thr Thr Ala Ile	620	His Phe Phe Leu Ser	625	Leu His Pro Ala Val	630
Ser Ser Phe Pro	635	Ser Pro Ser Thr Phe	640	Glu Glu Ile Gln Phe	645
Asn Ser Pro Asn	650	Tyr His Lys Gly Ile	655	Asp Trp Tyr Met Asp	660
Phe Pro Val Pro	665	Ser Asn Ala Ser Thr	670	Asp Phe Leu Phe Glu	675
Ser Ala Thr Tyr	680	Phe Asp Ser Glu Val	685	Val Pro Arg Arg Gly	690
Ala Leu Leu Pro	695	Arg Ala Lys Ile Ile	700	Thr Val Leu Thr Asn	705
Ala Asp Arg Ala	710	Tyr Ser Trp Tyr Gln	715	Val Cys Leu Lys Leu	720
Thr His Arg Leu	725	Lys Val Gly Gly Arg	730	Gly Glu Gly Thr Val	735
Ala Arg Glu Gly	740	Glu Arg Ser Glu Val			

<210> 51

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510091CD1

<400> 51

Met Ala Glu Glu Gln Gly Arg Glu Arg Asp Ser Val Pro Lys Pro	
1 5 10 15	
Ser Val Leu Phe Leu His Pro Asp Leu Gly Val Gly Gly Ala Glu	
20 25 30	
Arg Leu Val Leu Asp Ala Ala Leu Ala Leu Gln Ala Arg Gly Cys	

	35		40		45
Ser Val Lys Ile Trp Thr Ala His Tyr Asp Pro Gly His Cys Phe					
	50		55		60
Ala Glu Ser Arg Glu Leu Pro Val Arg Cys Ala Gly Asp Trp Leu					
	65		70		75
Pro Arg Gly Leu Gly Trp Gly Gly Arg Gly Ala Ala Val Cys Ala					
	80		85		90
Tyr Val Arg Met Val Phe Leu Ala Leu Tyr Val Leu Phe Leu Ala					
	95		100		105
Asp Glu Glu Phe Asp Val Val Val Cys Asp Gln Ala Ile Cys Ile					
	110		115		120
Pro Leu Ser Leu Cys Ser Glu Pro Gly His Thr Val Leu Ser Ser					
	125		130		135
Val Met Cys					

<210> 52

<211> 930

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510109CD1

<400> 52

Met Cys Val Arg Ser Cys Phe Gln Ser Pro Arg Leu Gln Trp Val		
1	5	10
Trp Arg Thr Ala Phe Leu Lys His Thr Gln Arg Arg His Gln Gly		
	20	25
Ser His Arg Trp Thr His Leu Gly Gly Ser Thr Tyr Arg Ala Val		
	35	40
Ile Phe Asp Met Gly Gly Val Leu Ile Pro Ser Pro Gly Arg Val		
	50	55
Ala Ala Glu Trp Glu Val Gln Asn Arg Ile Pro Ser Gly Thr Ile		
	65	70
Leu Lys Ala Leu Met Glu Gly Gly Glu Asn Gly Pro Trp Met Arg		
	80	85
Phe Met Arg Ala Glu Ile Thr Ala Glu Gly Phe Leu Arg Glu Phe		
	95	100
Gly Arg Leu Cys Ser Glu Met Leu Lys Thr Ser Val Pro Val Asp		
	110	115
Ser Phe Phe Ser Leu Leu Thr Ser Glu Arg Val Ala Lys Gln Phe		
	125	130
Pro Val Met Thr Glu Ala Ile Thr Gln Ile Arg Ala Lys Gly Leu		
	140	145
Gln Thr Ala Val Leu Ser Asn Asn Phe Tyr Leu Pro Asn Gln Lys		
	155	160
Ser Phe Leu Pro Leu Asp Arg Lys Gln Phe Asp Val Ile Val Glu		
	170	175
Ser Cys Met Glu Gly Ile Cys Lys Pro Asp Pro Arg Ile Tyr Lys		
	185	190
Leu Cys Leu Glu Gln Leu Gly Leu Gln Pro Ser Glu Ser Ile Phe		
	200	205
Leu Asp Asp Leu Gly Thr Asn Leu Lys Glu Ala Ala Arg Leu Gly		
	215	220
Ile His Thr Ile Lys Val Asn Asp Pro Glu Thr Ala Val Lys Glu		
	230	235
Leu Glu Ala Leu Leu Gly Phe Thr Leu Arg Val Gly Val Pro Asn		
	245	250
Thr Arg Pro Val Lys Lys Thr Met Glu Ile Pro Lys Asp Ser Leu		
	260	265
Gln Lys Tyr Leu Lys Asp Leu Leu Gly Ile Gln Thr Thr Gly Pro		

Leu Glu Leu Leu	275	Gln Phe Asp His Gly	280	Gln Ser Asn Pro Thr	285
	290		295		300
Tyr Ile Arg Leu	305	Ala Asn Arg Asp Leu	310	Val Leu Arg Lys Lys	315
Pro Gly Thr Leu	320	Leu Pro Ser Ala His	325	Ala Ile Glu Arg Glu	330
Arg Ile Met Lys	335	Ala Leu Ala Asn Ala	340	Gly Val Pro Val Pro	345
Val Leu Asp Leu	350	Cys Glu Asp Ser Arg	355	Leu Asp Asn Leu Val	360
His Pro Glu Glu	365	Pro Glu Val Leu Ala	370	Val Leu Asp Trp Glu	375
Ser Thr Leu Gly	380	Asp Pro Leu Ala Asp	385	Val Ala Tyr Ser Cys	390
Ala His Tyr Leu	395	Pro Ser Ser Phe Pro	400	Val Leu Arg Gly Ile	405
Asp Cys Asp Leu	410	Thr Gln Leu Gly Ile	415	Pro Ala Ala Glu Glu	420
Phe Arg Met Tyr	425	Cys Leu Gln Met Gly	430	Leu Pro Pro Thr Glu	435
Trp Asn Phe Tyr	440	Met Ala Phe Ser Phe	445	Phe Arg Val Ala Ala	450
Leu Gln Gly Val	455	Tyr Lys Arg Ser Leu	460	Thr Gly Gln Ala Ser	465
Thr Tyr Ala Glu	470	Gln Thr Gly Lys Leu	475	Thr Glu Phe Val Ser	480
Leu Ala Trp Asp	485	Phe Ala Val Lys Glu	490	Gly Phe Arg Val Phe	495
Glu Met Pro Phe	500	Thr Asn Pro Leu Thr	505	Arg Ser Tyr His Thr	510
Ala Arg Pro Gln	515	Ser Gln Trp Cys Pro	520	Thr Gly Ser Arg Ser	525
Ser Ser Val Pro	530	Glu Ala Ser Pro Ala	535	His Thr Ser Arg Gly	540
Leu Val Ile Ser	545	Pro Glu Ser Leu Ser	550	Pro Pro Val Arg Glu	555
Tyr His Arg Leu	560	Lys His Phe Met Glu	565	Gln Arg Val Tyr Pro	570
Glu Pro Glu Leu	575	Gln Ser His Gln Ala	580	Ser Ala Ala Arg Trp	585
Pro Ser Pro Leu	590	Ile Glu Asp Leu Lys	595	Glu Lys Ala Lys Ala	600
Gly Leu Trp Asn	605	Leu Phe Leu Pro Leu	610	Glu Ala Asp Pro Glu	615
Lys Tyr Gly Ala	620	Gly Leu Thr Asn Val	625	Glu Tyr Ala His Leu	630
Glu Leu Met Gly	635	Thr Ser Leu Tyr Ala	640	Pro Glu Val Cys Asn	645
Ser Ala Pro Asp	650	Thr Gly Asn Met Glu	655	Leu Leu Val Arg Tyr	660
Thr Glu Ala Gln	665	Lys Ala Arg Trp Leu	670	Ile Pro Leu Leu Glu	675
Lys Ala Arg Ser	680	Cys Phe Ala Met Thr	685	Glu Pro Gln Val Ala	690
Ser Asp Ala Thr	695	Asn Ile Glu Ala Ser	700	Ile Arg Glu Glu Asp	705
Phe Tyr Val Ile	710	Asn Gly His Lys Trp	715	Trp Ile Thr Gly Ile	720
Asp Pro Arg Cys	725	Gln Leu Cys Val Phe	730	Met Gly Lys Thr Asp	735
His Ala Pro Arg	740	His Arg Gln Gln Ser	745	Val Leu Leu Val Pro	750

Asp Thr Pro Gly Ile Lys Ile Ile Arg Pro Leu Thr Val Tyr Gly	755	760	765
Leu Glu Asp Ala Pro Gly Gly His Gly Glu Val Arg Phe Glu His	770	775	780
Val Arg Val Pro Lys Glu Asn Met Val Leu Gly Pro Gly Arg Gly	785	790	795
Phe Glu Ile Ala Gln Gly Arg Leu Gly Pro Gly Arg Ile His His	800	805	810
Cys Met Arg Leu Ile Gly Phe Ser Glu Arg Ala Leu Ala Leu Met	815	820	825
Lys Ala Arg Val Lys Ser Arg Leu Ala Phe Gly Lys Pro Leu Val	830	835	840
Glu Gln Gly Thr Val Leu Ala Asp Ile Ala Gln Ser Arg Val Glu	845	850	855
Ile Glu Gln Ala Arg Leu Leu Val Leu Arg Ala Ala His Leu Met	860	865	870
Asp Leu Ala Gly Asn Lys Ala Ala Ala Leu Asp Ile Ala Met Ile	875	880	885
Lys Met Val Ala Pro Ser Met Ala Ser Arg Val Ile Asp Arg Ala	890	895	900
Ile Gln Val Ser Thr Asp Gln Thr Val Gly Leu Phe Glu Pro Ser	905	910	915
Ile Leu Asp Ala Lys Leu Ser Tyr Leu Gln Pro Pro Ser Leu Pro	920	925	930

<210> 53

<211> 260

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510121CD1

<400> 53

Met Val Glu Leu Met Phe Pro Leu Leu Leu Leu Leu Leu Pro Phe	1	5	10	15
Leu Leu Tyr Met Ala Ala Pro Gln Ile Arg Lys Met Leu Ser Ser	20	25	30	35
Gly Val Cys Thr Ser Thr Val Gln Leu Pro Gly Lys Val Val Val	40	45	50	55
Val Thr Gly Ala Asn Thr Gly Ile Gly Lys Glu Thr Ala Lys Glu	60	65	70	75
Leu Ala Gln Arg Gly Ala Arg Val Tyr Leu Ala Cys Arg Asp Val	80	85	90	95
Glu Lys Gly Glu Leu Val Ala Lys Glu Ile Gln Thr Thr Thr Gly	100	105	110	115
Asn Gln Gln Val Leu Val Arg Lys Leu Asp Leu Ser Asp Thr Lys	120	125	130	135
Ser Ile Arg Ala Phe Ala Lys Gly Phe Leu Ala Glu Glu Lys His	140	145	150	155
Leu His Val Leu Ile Asn Asn Ala Gly Val Met Met Cys Pro Tyr	160	165	170	175
Ser Lys Thr Ala Asp Gly Phe Glu Met His Ile Gly Val Asn His	180	185	190	195
Leu Gly His Phe Leu Leu Thr His Leu Leu Leu Glu Lys Leu Lys	200	205	210	215
Glu Ser Ala Pro Ser Arg Ile Val Asn Val Ser Ser Leu Ala His	220	225	230	235
His Leu Gly Arg Ile His Phe His Asn Leu Gln Gly Glu Lys Phe	240	245	250	255
Tyr Asn Ala Gly Leu Ala Tyr Cys His Ser Lys Leu Ala Asn Ile	260	265	270	275

200	205	210
Leu Phe Thr Gln Glu Leu Ala Arg Arg	Leu Lys Gly Gly Pro Arg	
215	220	225
Gly Asn Glu Cys Gly Asp Met Ser Gln	Arg Glu Ala Gly Lys Ser	
230	235	240
His Arg Asn Gly Asn Cys Phe Gln Ser	Pro Ser Pro Gly Glu Asp	
245	250	255
Leu Leu Pro Trp Leu		
260		

<210> 54

<211> 714

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510797CD1

<400> 54

Met Arg Leu Thr Gln Asp Pro Ile Gln Val	Leu Leu Ile Phe Ala
1 5	10 15
Lys Glu Asp Ser Gln Ser Asp Gly Phe Trp	Trp Ala Cys Asp Arg
20 25	30
Ala Gly Tyr Arg Cys Asn Ile Ala Arg Thr	Pro Glu Ser Ala Leu
35 40	45
Glu Cys Phe Leu Asp Lys His His Glu Ile	Ile Val Ile Asp His
50 55	60
Arg Gln Thr Gln Asn Phe Asp Ala Glu Ala	Val Cys Arg Ser Ile
65 70	75
Arg Ala Thr Asn Pro Ser Glu His Thr Val	Ile Leu Ala Val Val
80 85	90
Ser Arg Val Ser Asp Asp His Glu Glu Ala	Ser Val Leu Pro Leu
95 100	105
Leu His Ala Gly Phe Asn Arg Arg Phe Met	Glu Asn Ser Ser Ile
110 115	120
Ile Ala Cys Tyr Asn Glu Leu Ile Gln Ile	Glu His Gly Glu Val
125 130	135
Arg Ser Gln Phe Lys Leu Arg Ala Cys Asn	Ser Val Phe Thr Ala
140 145	150
Leu Asp His Cys His Glu Ala Ile Glu Ile	Thr Ser Asp Asp His
155 160	165
Val Ile Gln Glu Trp Gln Gly Val Tyr Tyr	Ala Arg Arg Lys Ser
170 175	180
Gly Asp Ser Ile Gln Gln His Val Lys Ile	Thr Pro Val Ile Gly
185 190	195
Gln Gly Gly Lys Ile Arg His Phe Val Ser	Leu Lys Lys Leu Cys
200 205	210
Cys Thr Thr Asp Asn Asn Lys Gln Ile His	Lys Ile His Arg Asp
215 220	225
Ser Gly Asp Asn Ser Gln Thr Glu Pro His	Ser Phe Arg Tyr Lys
230 235	240
Asn Arg Arg Lys Glu Ser Ile Asp Val Lys	Ser Ile Ser Ser Arg
245 250	255
Gly Ser Asp Ala Pro Ser Leu Gln Asn Arg	Arg Tyr Pro Ser Met
260 265	270
Ala Arg Ile His Ser Met Thr Ile Glu Ala	Pro Ile Thr Lys Val
275 280	285
Ile Asn Ile Ile Asn Ala Ala Gln Glu Asn	Ser Pro Val Thr Val
290 295	300
Ala Glu Ala Leu Asp Arg Val Leu Glu Ile	Leu Arg Thr Thr Glu
305 310	315
Leu Tyr Ser Pro Gln Leu Gly Thr Lys Asp	Glu Asp Pro His Thr

Ser Asp Leu Val	320	325	330
Gly Gly Leu Met Thr	335	340	345
Ser Gly Asn Glu Tyr Val Phe Thr Lys	350	355	360
Ser His Leu Ala Met Pro Ile Thr Ile	365	370	375
Ile Ser Gln Leu Leu Asp Asn Glu Glu	380	385	390
Phe Glu Leu Glu Ala Ile Thr His Lys	395	400	405
Gly Leu Lys Val Phe Ser Arg Phe Gly	410	415	420
Cys Ser Glu Thr Thr Leu Arg Ala Trp	425	430	435
Asn Tyr His Ser Ser Asn Ala Tyr His	440	445	450
Asp Val Leu His Ala Thr Ala Phe Phe	455	460	465
Lys Gly Ser Leu Asp Gln Leu Asp Glu	470	475	480
Ala Thr Val His Asp Val Asp His Pro	485	490	495
Leu Cys Asn Ala Gly Ser Glu Leu Ala	500	505	510
Ala Val Leu Glu Ser His His Thr Ala	515	520	525
Val Lys Asp Thr Lys Cys Asn Ile Phe	530	535	540
His Tyr Arg Thr Leu Arg Gln Ala Ile	545	550	555
Thr Glu Met Thr Lys His Phe Glu His	560	565	570
Ser Ile Asn Lys Pro Met Ala Ala Glu	575	580	585
Glu Cys Asn Pro Ala Gly Lys Asn Phe	590	595	600
Ile Lys Arg Met Met Ile Lys Cys Ala	605	610	615
Arg Pro Leu Asp Leu Cys Ile Glu Trp	620	625	630
Glu Tyr Phe Ala Gln Thr Asp Glu Glu	635	640	645
Val Val Met Pro Val Phe Asp Arg Asn	650	655	660
Ser Gln Ile Ser Phe Ile Asp Tyr Phe	665	670	675
Ala Trp Asp Ala Phe Ala His Leu Pro	680	685	690
Ala Asp Asn Tyr Lys His Trp Lys Thr	695	700	705
Lys Ser Leu Arg Leu Pro Ser Asp Ser	710		

<210> 55

<211> 600

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7504944CD1

<400> 55

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Met Ala Arg Gly Ser Ala Val Ala Trp Ala Ala Leu Gly Pro Leu
 1          5          10          15
Leu Trp Gly Cys Ala Leu Gly Leu Gln Gly Gly Met Leu Tyr Pro
 20          25          30
Gln Glu Ser Pro Ser Arg Glu Cys Lys Glu Leu Asp Gly Leu Trp
 35          40          45
Ser Phe Arg Ala Asp Phe Ser Asp Asn Arg Arg Arg Gly Phe Glu
 50          55          60
Glu Gln Trp Tyr Arg Arg Pro Leu Trp Glu Ser Gly Pro Thr Val
 65          70          75
Asp Met Pro Val Pro Ser Ser Phe Asn Asp Ile Ser Gln Asp Trp
 80          85          90
Arg Leu Arg His Phe Val Gly Trp Val Trp Tyr Glu Arg Glu Val
 95          100          105
Ile Leu Pro Glu Arg Trp Thr Gln Asp Leu Arg Thr Arg Val Val
110          115          120
Leu Arg Ile Gly Ser Ala His Ser Tyr Ala Ile Val Trp Val Asn
125          130          135
Gly Val Asp Thr Leu Glu His Glu Gly Gly Tyr Leu Pro Phe Glu
140          145          150
Ala Asp Ile Ser Asn Leu Val Gln Val Gly Pro Leu Pro Ser Arg
155          160          165
Leu Arg Ile Thr Ile Ala Ile Asn Asn Thr Leu Thr Pro Thr Thr
170          175          180
Leu Pro Pro Gly Thr Ile Gln Tyr Leu Thr Asp Thr Ser Lys Tyr
185          190          195
Pro Lys Gly Tyr Phe Val Gln Asn Thr Tyr Phe Asp Phe Phe Asn
200          205          210
Tyr Ala Gly Leu Gln Arg Ser Val Leu Leu Tyr Thr Thr Pro Thr
215          220          225
Thr Tyr Ile Asp Asp Ile Thr Val Thr Thr Ser Val Glu Gln Asp
230          235          240
Ser Gly Leu Val Asn Tyr Gln Ile Ser Val Lys Gly Ser Asn Leu
245          250          255
Phe Lys Leu Glu Val Arg Leu Leu Asp Ala Glu Asn Lys Val Val
260          265          270
Ala Asn Gly Thr Gly Thr Gln Gly Gln Leu Lys Val Pro Gly Val
275          280          285
Ser Leu Trp Trp Pro Tyr Leu Met His Glu Arg Pro Ala Tyr Leu
290          295          300
Tyr Ser Leu Glu Ile Arg Gly Lys Gly Phe Asp Trp Pro Leu Leu
305          310          315
Val Lys Asp Phe Asn Leu Leu Arg Trp Leu Gly Ala Asn Ala Phe
320          325          330
Arg Thr Ser His Tyr Pro Tyr Ala Glu Glu Val Met Gln Met Cys
335          340          345
Asp Arg Tyr Gly Ile Val Val Ile Asp Glu Cys Pro Gly Val Gly
350          355          360
Leu Ala Leu Pro Gln Phe Phe Asn Asn Val Ser Leu His His His
365          370          375
Met Gln Val Met Glu Glu Val Val Arg Arg Asp Lys Asn His Pro
380          385          390
Ala Val Val Met Trp Ser Val Ala Asn Glu Pro Ala Ser His Leu
395          400          405
Glu Ser Ala Gly Tyr Tyr Leu Lys Met Val Ile Ala His Thr Lys
410          415          420
Ser Leu Asp Pro Ser Arg Pro Val Thr Phe Val Ser Asn Ser Asn
425          430          435
Tyr Ala Ala Asp Lys Gly Ala Pro Tyr Val Asp Val Ile Cys Leu
440          445          450
Asn Ser Tyr Tyr Ser Trp Tyr His Asp Tyr Gly His Leu Glu Leu
455          460          465

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Ile	Gln	Leu	Gln	Leu	Ala	Thr	Gln	Phe	Glu	Asn	Trp	Tyr	Lys	Lys	
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Tyr	Gln	Lys	Pro	Ile	Ile	Gln	Ser	Glu	Tyr	Gly	Ala	Glu	Thr	Ile	
				485					490					495	
Ala	Gly	Phe	His	Gln	Asp	Pro	Pro	Leu	Met	Phe	Thr	Glu	Glu	Tyr	
				500					505					510	
Gln	Lys	Ser	Leu	Leu	Glu	Gln	Tyr	His	Leu	Gly	Leu	Asp	Gln	Lys	
				515					520					525	
Arg	Arg	Lys	Tyr	Val	Val	Gly	Glu	Leu	Ile	Trp	Asn	Phe	Ala	Asp	
				530					535					540	
Phe	Met	Thr	Glu	Gln	Ser	Pro	Thr	Arg	Val	Leu	Gly	Asn	Lys	Lys	
				545					550					555	
Gly	Ile	Phe	Thr	Arg	Gln	Arg	Gln	Pro	Lys	Ser	Ala	Ala	Phe	Leu	
				560					565					570	
Leu	Arg	Glu	Arg	Tyr	Trp	Lys	Ile	Ala	Asn	Glu	Thr	Arg	Tyr	Pro	
				575					580					585	
His	Ser	Val	Ala	Lys	Ser	Gln	Cys	Leu	Glu	Asn	Ser	Leu	Phe	Thr	
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<210> 56

<211> 1671

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509350CB1

<400> 56

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cgcattcagg	aggaggccca	acacctcact	gaagcaataa	aagaggagaa	cggacagcct	540
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<210> 57

<211> 2201

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509325CB1

<400> 57

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ttatgcttct ctttttcactc tggagacaga gctgtaggag aaggaagctc cctcctggcc 180
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gcacataatt ctgtgtcagc tttggtaact ggggtgaggg ggatggaaaa cagagcccta 480
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<210> 58

<211> 1231

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509337CB1

<400> 58

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gcctttgagc tgctgacttt cagctggaac ttgaaggagc cccaacctg agacactatg 180
gccctgacct cagacctggg gaaacagata aaactgaaag aggtggaggg gaccctcctg 240
cagcctgcaa ctgtggacaa ctggagccag atccagagct tcgaggccaa accagatgat 300
ctcctcatct gcacctacct taaagcaggg acaacgtgga ttcaggaaat tgtggatatg 360
attgaacaga atggggagct ggagaagtgc cagcgagcca tcatccaaca ccgccatcct 420
ttcattagat gggctcggcc accccaacct tctgctcgaa atgccaaaga ctgtatgggt 480
tcctactacc atttccaaag gatgaaccac atgcttctct accctggtac ctgggaagag 540
tattttgaaa ccttcatcaa tggaaaagtg gtttgggggt cctggtttga ccactgaaa 600

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ggatggtggg agatgaaaga cagacaccag attctcttcc tcttctatga ggacataaag 660
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acaaatcgtt ctacagtttc caaatctatc ttggaccagt caatttcctc cttcatgaga 840
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<210> 59

<211> 2002

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509353CB1

<400> 59

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tggctccttc ttgtagcagc agctgtgggg tccactggcc ctgagccctc agagggggcgg 180
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aaaaaaaaa aaaaatgcgg tc 2002

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<210> 60

<211> 1657

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509354CB1

<400> 60

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acatggaagg cattgagggg cgccaggtct accctgacgt ggagcccggg tacctgcggc 180
cgctgatccc tgccgctgcc cctcaggagc cagacacgtt tgaggacatc atcaacgacg 240
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cctacgcagg cagtgcattc atctgccctg agttccggca ccttctgaat ggagtggagt 660
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ccatgtgggt gaaaaagaga acagacttaa cggggagcct tagactggac cccacttacc 780
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atgcctaata aacaattcaa gtgaaatact aaaaaaaa 1657

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<210> 61

<211> 1862

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7509385CB1

<400> 61

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acatggaagg cattgagggg cgccaggtct accctgacgt ggagcccggg tacctgcggc 180
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tgatggactg gctcggaag atgctggaac taccaaaggc atttttgaat gagaaagctg 360
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aaattatatt tgtgggtctt aaattgtctt ttgtcatgtg gctaaatgcc taataaacia 1800
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<210> 62
 <211> 1471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 7509216CB1

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<220>
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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7501927CB1

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<211> 1418

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<220>

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<210> 70

<211> 1472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510217CB1

<400> 70

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<210> 71
<211> 2160
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7510298CB1

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<400> 71
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<210> 72
<211> 2383
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7510299CB1

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<210> 73

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510368CB1

<400> 73

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<210> 74

<211> 1796

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 7510369CB1

<400> 74

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510377CB1

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<213> Homo sapiens

<220>
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<223> Incyte ID No: 7509360CB1

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<211> 2249

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7581076CB1

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<210> 85

<211> 1483

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7504551CB1

<400> 85

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<210> 86

<211> 1992

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7500652CB1

<400> 86

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<212> DNA

<213> Homo sapiens

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<221> unsure

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<223> a, t, c, g, or other

<400> 87

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<210> 88

<211> 1338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7501398CB1

<400> 88

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<210> 89

<211> 1705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7501417CB1

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<210> 90
<211> 1623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 7501472CB1

<400> 90
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gcgtttccaa ttttaagagg aagcaattgc cacaaaatca ctgcccctgg tctgggcaag 180
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<210> 91

<211> 673

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7501489CB1

<400> 91

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<210> 92

<211> 1088

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7501555CB1

<400> 92

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cataggcaag atcgctcctgg aactgcccc a gtgaaggagg atgggggcagg acaggacgcg 960
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aaaaaaaaa                                     1088

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<210> 93
<211> 1401
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7501561CB1

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<400> 93
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<210> 94
<211> 1656
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 7506108CB1

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<400> 94
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<210> 95

<211> 1841

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506123CB1

<400> 95

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<210> 96

<211> 3659

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506248CB1

<400> 96

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<210> 97

<211> 1935

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7506347CB1

<400> 97

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<210> 98

<211> 2240

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<400> 98

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<210> 99

<211> 1812

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7510421CB1

<400> 99

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<211> 995

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 7504625CB1

<400> 100

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<210> 101

<211> 1297

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7504776CB1

<400> 101

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<211> 600

<212> DNA

<213> Homo sapiens

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<400> 102

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<210> 103

<211> 2292

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7505010CB1

<400> 103

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<210> 104

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7505173CB1

<220>

<221> unsure

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<223> a, t, c, g, or other

<400> 104

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<210> 105

<211> 3702

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7510061CB1

<400> 105

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<210> 106

<211> 2060

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510091CB1

<400> 106

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<210> 107

<211> 3692

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510109CB1

<400> 107

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<210> 108

<211> 2088

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 7510121CB1

<400> 108

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<210> 109

<211> 3020

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 7510797CB1

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